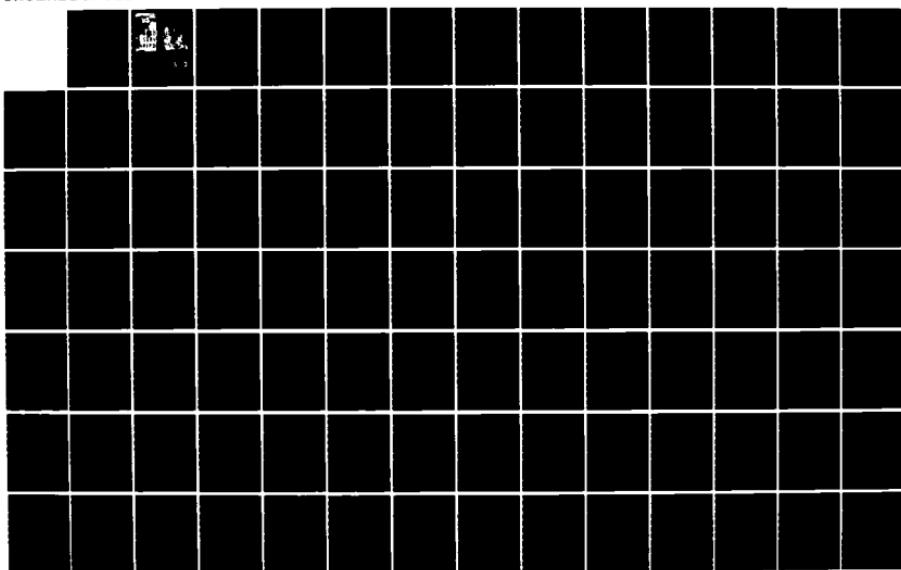
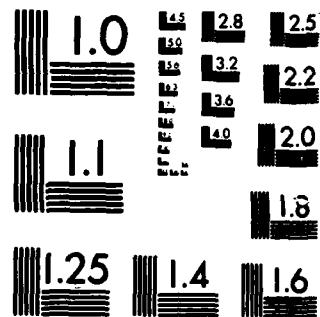


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CAREER LADDERS (AFS 907X0 AND 908X0)(U) AIR FORCE
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UNITED STATES AIR FORCE

OCCUPATIONAL SURVEY REPORT



BIOENVIRONMENTAL ENGINEERING AND

ENVIRONMENTAL MEDICINE

AFS 907X0 AND 908X0

AFPT 90-907-532 AND 90-908-533

DECEMBER 1985

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OCCUPATIONAL ANALYSIS PROGRAM
USAF OCCUPATIONAL MEASUREMENT CENTER
AIR TRAINING COMMAND
RANDOLPH AFB, TEXAS 78150

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HQ MAC/TTGT	2		2	
HQ PACAF/TTGT	2		2	
HQ PACAF/DPAT	6		6	
HQ SAC/DPAT	6		6	
HQ SAC/TTGT	2		2	
HQ TAC/DPAT	6		6	
HQ TAC/TTGT	2		2	
HQ USAF/SGB (BOLLING AFB DC 20332-5078)	2		2	
HQ USAF/MPPT	2		2	
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HQ USAFE/TTGT	2		2	
HQ USMC (CODE TPI)	2			
LMDC	4			
NODAC	2			
USAFA/SGHP	2	2	1	
USAFSAM/EDH (BROOKS AFB TX 78235-5301)	5	1	5	5
USAFSAM/EDSC (BROOKS AFB TX)	5	1	5	5
USAFSAM/EDZ (BROOKS AFB TX 78235-5301)	5	1	5	5
3250 TCHTW/TTGX (LACKLAND AFB TX)	5	1	5	5
3250 TCHTW/TTS (LACKLAND AFB TX)	2		2	
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PREFACE

This report presents the results of a detailed Air Force Occupational Survey of the Bioenvironmental Engineering (AFSCs 90730, 90750, 90770, 90790, and 90700 CEM Code) and Environmental Medicine (AFSCs 90830, 90850, 90870, 90890, and 90800 CEM Code) career ladders. This report was requested by Aerospace Medical Division, Education and Health Support, Brooks AFB, Texas. Authority for conducting occupational surveys is contained in AFR 35-2. Computer printouts from which this report was produced are available for use by operating and training officials.

The survey instrument was developed by Ms Terri Morris, Inventory Development Specialist. Dr David E. Williams, Occupational Analyst, analyzed the data and wrote the final report. Administrative support was provided by Ms Anita R. Carter. Ms Rebecca Hernandez provided computer programming support for the project. This report has been reviewed and approved by Lieutenant Colonel Charles D. Gorman, Chief, USAF Airman Career Ladders Analysis Division, Occupational Analysis Branch, USAF Occupational Measurement Center.

Copies of this report are distributed to Air Staff sections, major commands, and other interested training and management personnel (see distribution list on page 1). Additional copies are available upon request to the USAF Occupational Measurement Center, Attention: Chief, Occupational Analysis Division (OMY), Randolph Air Force Base, Texas 78150-5000.

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Center

SUMMARY OF RESULTS

1. Survey Objectives: This survey was conducted to acquire data for use in the review and update of the Specialty Training Standards (STS), Plans of Instruction (POI), and to identify tasks which are actually being performed since the reorganization of these two career ladders.
2. Survey Coverage: Inventory booklets were completed by 599 Bioenvironmental Engineering Personnel (AFSC 907X0) and 684 Environmental Medical Personnel (AFSC 908X0). This sample was representative in terms of MAJCOM and grade distribution, and provides a comprehensive view of jobs performed by personnel in these Air Force specialties.
3. DAFSC and Skill Level Differences: Technical work is primarily done by 3- and 5-skill level personnel in both career ladders. At the 7-skill level, 27 percent of the job time of 907X0 personnel and 38 percent of 908X0 personnel involved technical duties, with supervision and management occupying the remainder of the time.
4. Specialty Jobs (Career Ladder Structure): Based on similarity of tasks performed, Bioenvironmental Engineering and Environmental Medical Personnel grouped into 11 major jobs. Some jobs were performed by 907X0 members only, while others were distinctly performed by 908X0 personnel. Jobs showing minor overlap across AFSCs include Training, Management and Supervision. Other differences within individual career ladders were the result of increases in experience, which awards greater responsibilities to more senior personnel.
5. AFR 39-1 Specialty Descriptions: The AFR 39-1 Specialty Descriptions for both the DAFSC 907X0 and 908X0 Specialties are supported by survey data. These descriptions provide broad overviews of the respective duties and responsibilities of Bioenvironmental Engineering and Environmental Medicine Personnel.
6. Training Analysis: The Specialty Training Standards (STS) for both AFSCs 907X0 and 908X0 are generally supported by survey data. The STSs for both AFSCs have some tasks not referenced to them which were performed by 20 percent or more of the first-enlistment members. There are areas of the STSs which have no tasks matched. Nonreferenced tasks and unmatched STS areas were recommended for review.

The POI for Course 90730 is generally supported by OSR data; however, there are some unreferenced tasks and unmatched course objectives. The first part of the 90830 course (taught at Fort Sam Houston) and the second part of the 90830 course (taught at Brooks AFB) generally are supported by survey data; however, there are some tasks not referenced to either course, and some course objectives of the Fort Sam Houston course have no tasks matched to them. A review of POIs with unmatched course objectives and nonreferenced tasks has been recommended.

OCCUPATIONAL SURVEY REPORT
BIOENVIRONMENTAL ENGINEERING AND ENVIRONMENTAL MEDICINE
CAREER LADDERS
(AFS 907X0 and 908X0)

INTRODUCTION

This is a report of an occupational survey of the Bioenvironmental Engineering (AFSC 907X0) and Environmental Medicine (AFSC 908X0) career ladders completed by the Occupational Analysis Division, USAF Occupational Measurement Center, in September 1985. Previous surveys of these specialties were completed in December 1978 and March 1980, respectively; however, this is the first time the two specialties have been surveyed together.

Objective

The purpose of this project is to identify tasks which are actually being performed since the reorganization of these career ladders and provide data for use in the review and update of the Specialty Training Standards (STS) and Plans of Instruction (POI). This study was requested by Aerospace Medical Division, Education and Health Care Support, Brooks Air Force Base, Texas.

History

Bioenvironmental Engineering (AFSC 907X0). There have been no major changes in the career ladder structure of the Bioenvironmental Engineering career ladder since its inception in 1951, with the exception of the creation of 90700 CEM Code in 1978. As currently structured, the ladder has 3-, 5-, 7-, and 9-skill levels, and 90700 CEM Code. The title of the career ladder, however, has been changed from "Preventive Medicine" to "Environmental Medicine" and, finally, to "Bioenvironmental Engineering". In 1982, there was a reorganization of tasks and duties designated as 907X0 responsibilities. Several functions which had previously been the responsibility of the 907X0 career ladder were transferred to the 908X0 career ladder. These functions included: respiratory protection, occupational health education, tuberculosis control program, venereal disease control program, communicable disease control program, hearing conservation, sanitary surveys, military quarantine, ratio grade preclearance program, and insect and rodent control.

The primary responsibilities of the 907X0 career ladder, as described in AFR 39-1 Specialty Descriptions, involve conducting periodic bioenvironmental engineering surveys and evaluations, specialized industrial and environmental samples; planning, implementing, conducting, and evaluating industrial hygiene, environmental protection, and radiological health programs to ensure

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insofar as possible, that healthful working conditions are maintained and that the environment is not adversely affected by Air Force operations. In accomplishing the aforementioned duties and tasks, specific standards must be maintained; therefore, a major trend has been the increasing influence of or compliance with the health and safety standards, rules, and regulations of the Occupational Safety and Health Administration (OSHA). OSHA was created by Public Law in 1969 and empowered by subsequent Executive Orders. Since OSHA's inception, there has been a steady increase in its ability to enforce regulations designed to protect employees from hazards present in their working or living environment. Since Bioenvironmental Engineering and Environmental Medicine Personnel are charged with the responsibility of ensuring the safety of a variety of working and living conditions, they are directly affected by OSHA standards, which they must meet or exceed. Two other organizations created to provide some standards and guidelines are: Air Force Occupational Safety and Health (AFOSH) and National Institute of Occupational Safety and Health (NIOSH).

Career Ladder Entry (AFSC 907X0). Personnel entering the Bioenvironmental Engineering career ladder enter technical school after completing basic military training. Technical training for these personnel is conducted at USAFSAM, Brooks AFB, Texas. This entry level course is a 6½-week course designed to train new 907X0 personnel in the activities of Bioenvironmental Engineering.

Environmental Medicine (908X0). The Environmental Medicine career ladder has been in existence since May 1951. A 9-skill level designation was authorized in February 1960. The career ladder remained relatively stable until 1976 when members of the Animal Specialist Career Ladder (908X1) were merged into the specialty. The CEM Code 90800 was created and authorized in October 1978, and is still in use at this time. The title of the career ladder, however, has been changed from "Veterinary" to "Laboratory Animal Care" to "Environmental Medicine". In the 1982 time frame, there was a reorganization of tasks and duties designated as 908X0 responsibilities. Several functions which were previously the responsibilities of AFSC 907X0 career ladder (detailed in the previous section) were transferred to this career ladder.

The basic job of 908X0 personnel, as described by AFR 39-1, is to perform subsistence inspections, food facilities inspections, and assist with animal medical care activities. To properly perform these services, all personnel in this career ladder must attend the basic courses.

The Environmental Medicine career ladder has two authorized Special Experience Identifiers (SEI), SEI 491 and SEI 498. SEI 491 incumbents are responsible for supporting ongoing animal research programs. This Special Experience Identifier is awarded to those incumbents who previously possessed DAFSC 908X1 or to those incumbents who successfully complete the Basic Animal Technician course. It is expected that the use of experience related to SEI 491 will decrease, since the animal function was transferred to the Army in 1982.

SEI 498 personnel generally are stationed overseas, and perform many of the specialized subsistence inspections that United States Department of Agriculture (USDA) or Department of Commerce (USDC) personnel normally perform in the United States.

Career Ladder Entry (AFSC 908X0). Personnel entering the Environmental Medicine career ladder complete a training program designed for entry level personnel. This program is divided into two parts, with an 8-week course taught at Ft Sam Houston and 6-week course taught at Brooks AFB. There are approximately 200 incumbents successfully completing these courses each year.

SURVEY METHODOLOGY

Inventory Development

The data collection instrument used for this occupational survey was USAF Job Inventory AFPT 90-907-532 and 90-908-533. A tentative task list was formulated during visits with technical school personnel at Brooks Air Force Base, to include tasks resulting from the use of Specialty Training Standards (STS), other career ladder documents, and task lists from previous occupational surveys, as a guide. The tentative task lists were refined and validated by subsequent visits to operational units having 907X0 or 908X0 personnel. Bases visited to validate task lists were determined primarily on recommendations of major command functional managers. Bases in order of visits were:

Brooks AFB (AFSC)
Kelly AFB (AFLC)
Randolph AFB (ATC)
Eglin AFB (AFSC)
Patrick AFB (AFSC)
Travis AFB (MAC)
Mather AFB (ATC, SAC)
Castle AFB (SAC)
Nellis AFB (TAC)
Los Angeles AFS
Vandenberg AFB (SAC)

Accession For	
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Unannounced	
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These bases were chosen to include representative commands, active flying missions (would have an emphasis on Occupational Health), and nonflying missions (would have emphasis on Epidemiology and Bioenvironmental Engineering functions). A final inventory consisting of 801 tasks grouped under 16 duty headings was developed.

The job inventory consisted of three sections: (1) biographical information, which included items such as name, SSAN, number of months on current job, and number of months of military service; (2) a background information section which included questions about such items as job satisfaction, equipment used, type of organization, job title, and training courses completed; and (3) a task section listing all tasks performed by personnel in both specialties.

Survey Administration

From June 1984 to December 1984, job inventories were administered by local consolidated base personnel offices to all DAFSC personnel at the 3-, 5-, 7-, and 9-skill levels, and those holding CEM Codes who were eligible to participate in the survey. This included 1,283 members assigned to operational units. Members eligible to participate in the survey were selected from Uniform Airman Record (UAR) data tapes generated by the Air Force Human Resources Laboratory (AFHRL).

Data Processing and Analysis

Once job inventories are returned from the field, they are prepared so task responses and background information can be optically scanned. Biographical information (such as name, base, and AUTOVON extension) are keypunched onto discs and entered directly into the computer. Once both sets of data are entered into the computer, the tasks, background, and biographical information are merged to form a complete case record for each respondent. Computer-generated programs, using Comprehensive Occupational Data Analysis Program (CODAP) techniques are then applied to the data.

Computer-generated job descriptions are available for DAFSC, TAFMS, and CONUS and Overseas groups, and include such information as percent members performing each task, the average percent time spent performing tasks and the cumulative average percent time spent by all members for each task in the inventory.

Task Factor Administration

Selected senior DAFSC 907X0 and 908X0 personnel holding the 7-skill level were asked to complete a second booklet for either training emphasis (TE) or task difficulty (TD). The TE and TD booklets are processed separately from the job inventories. The rating information is then used in a number of different analyses discussed in more detail within this report. TE and TD raters were representative of the senior technicians in the field.

Task Difficulty. Each individual completing a task difficulty booklet was asked to rate all tasks on a 9-point scale (from extremely low to extremely high) as to the relative difficulty of each task in the inventory. Difficulty is defined as the length of time required by the average member to learn to adequately perform a task. Task difficulty data were independently collected from 56 experienced DAFSC 907X0 and 56 908X0 personnel. The inter-rater reliability (as assessed through components of variance of standard group means) for these raters was .93 for 907X0 and .92 for 908X0 personnel. The ratings were adjusted by the computer program so tasks of average difficulty have ratings of 5.00 and a standard deviation of 1.00. The resulting data essentially provide a rank ordering of tasks indicating the relative degree of difficulty for each task in the inventory.

Job Difficulty Index (JDI). After computing task difficulty for each task item, it is possible to compute a Job Difficulty Index (JDI) for the jobs identified in the survey analysis. This index provides a relative measure of which jobs, when compared to other jobs, are more or less difficult. An equation using number of tasks performed and the average difficulty per unit time spent (ADPUTS) as variables is the basis for the JDI. The index ranges from 1.0 for very easy jobs to 25.0 for very difficult jobs. The indices are adjusted so average JDI is 13.0. Thus, the more time a group spends on difficult tasks and the more tasks members perform, the higher the JDI.

Training Emphasis. Individuals completing training emphasis booklets were asked to rate tasks on a 10-point scale ranging from no training required to extremely heavy training required. Training emphasis is a rating of which tasks, in the opinion of the rater, require structured training for first-term personnel. Structured training is defined as training provided at resident technical schools, field training detachments (FTD), mobile training teams (MTT), formal OJT, or any other organized training method. Training emphasis data were independently collected from 61 experienced DAFSC 907X0 and 57 DAFSC 908X0 personnel. The interrater reliability (as assessed through the components of variance of standard group means) for 907X0 and 908X0 raters was .98, which indicated there was a high degree of agreement among raters as to which tasks required some form of structured training and which did not. The average training emphasis rating is 1.21 and the standard deviation (SD) is 1.84 for 907X0 personnel and the average training emphasis rating for 908X0 personnel is 1.56 with an SD of 1.94. Tasks rated highest in training emphasis for 907X0 personnel have ratings of 3.05 and above, while those having high training emphasis for 908X0 personnel have ratings of 3.50 and above.

When used in conjunction with other factors, such as percent members performing, task difficulty and training emphasis ratings can provide an insight into training requirements. This may help validate the lengthening or shortening of specific units of instruction in various training programs.

Survey Sample

Personnel participating are representative of all user MAJCOM and pay-grade groups. In this study, all eligible personnel holding DAFSC 907X0/908X0 with 3-, 5-, 7-, and 9-skill levels and 90700 CEM Code and 90800 CEM Code were solicited for their responses. Table 1 reflects the major command distribution of personnel assigned to the specialties as of June 1984. Table 2 reflects the percentage distribution by military paygrades. Table 3 reflects the distribution of the survey sample in terms of TAFMS groups. Overall, a representative sample was obtained, with 1,283 (73 percent) of the eligible 907X0 and 908X0 personnel participating in the survey.

CAREER LADDER STRUCTURE

A key aspect of an occupational survey report is to examine the job structure of the career ladders on the basis of what people are actually doing in the field, rather than on the basis of how official career ladder documents say they are structured. This analysis of job structure is made possible by the use of the Comprehensive Occupational Data Analysis Programs (CODAP). By using CODAP, job functions are identified on the basis of similarity in tasks performed and relative time spent performing the tasks. Using the job structure as a starting point, the pertinent career ladder documents (such as AFR 39-1 Specialty Descriptions, STSS, and POIs) are evaluated.

The career ladder structure analysis process consists of determining the functional job structure of career ladder personnel in terms of job types, subclusters, clusters, and independent job types. A job type is a group of individuals who perform many of the same tasks and also spend similar amounts of time performing them. When there is a substantial degree of similarity between different job types, they are grouped together and labeled clusters. A subcluster is a group of individuals who perform related tasks, but which contain several specific job types that differ from one another, usually in minor ways. Finally, there are often cases of specialized job types that are too dissimilar to be grouped into any cluster. These unique groups are labeled independent job types.

Specialty Structure Overview

The job structure for Bioenvironmental Engineering and Environmental Medicine was determined by performing a job type analysis of 1,283 survey respondents. Based on task similarity and the amount of time spent performing each task, the jobs performed by these personnel separated into 29 job groups, all but 5 of which grouped into 6 functional clusters. The remaining job groups formed independent job types. The jobs performed are illustrated in Figure 1. The group (GRP) number is a reference to computer-printed information included for use by classification and training managers. The letter "N" stands for the number of people in the group. (The N for a cluster will not

TABLE 1
COMMAND REPRESENTATION OF SURVEY SAMPLE

	907X0 PERCENT OF ASSIGNED	907X0 PERCENT OF SAMPLE	908X0 PERCENT OF ASSIGNED	908X0 PERCENT OF SAMPLE
AAC	2	2	1	1
USAFA	1	*	*	*
USAFE	17	18	11	11
AFLC	5	5	5	4
AFSC	14	13	13	12
ATC	8	9	11	12
AU	1	-	1	-
MAC	11	12	13	13
PACAF	7	6	8	7
SAC	19	20	17	18
TAC	13	13	17	18
SPACE CMD	2	1	1	1
OTHER	-	1	2	3
	100	100	100	100

Total Assigned: 1,645

Total 907X0/908X0 Personnel Eligible**: 1,410

Total in Sample: 1,283

Percent Assigned in Sample: 78%

Percent Eligible in Sample: 91%

Total 907X0 Assigned: 769

Total 907X0 in Sample: 599

Percent of Assigned in Sample: 78%

Percent of Eligible in Sample: 91%

Total 908X0 Assigned: 876

Total 908X0 in Sample: 684

Percent of Assigned in Sample: 78%

Percent of Eligible in Sample: 91%

* Less than 1 percent

** Excludes persons in PCS status, hospitals or less than 6 months on the job

NOTE: Manning figures as of June 1984

TABLE 2
PAYGRADE DISTRIBUTION OF SURVEY SAMPLE

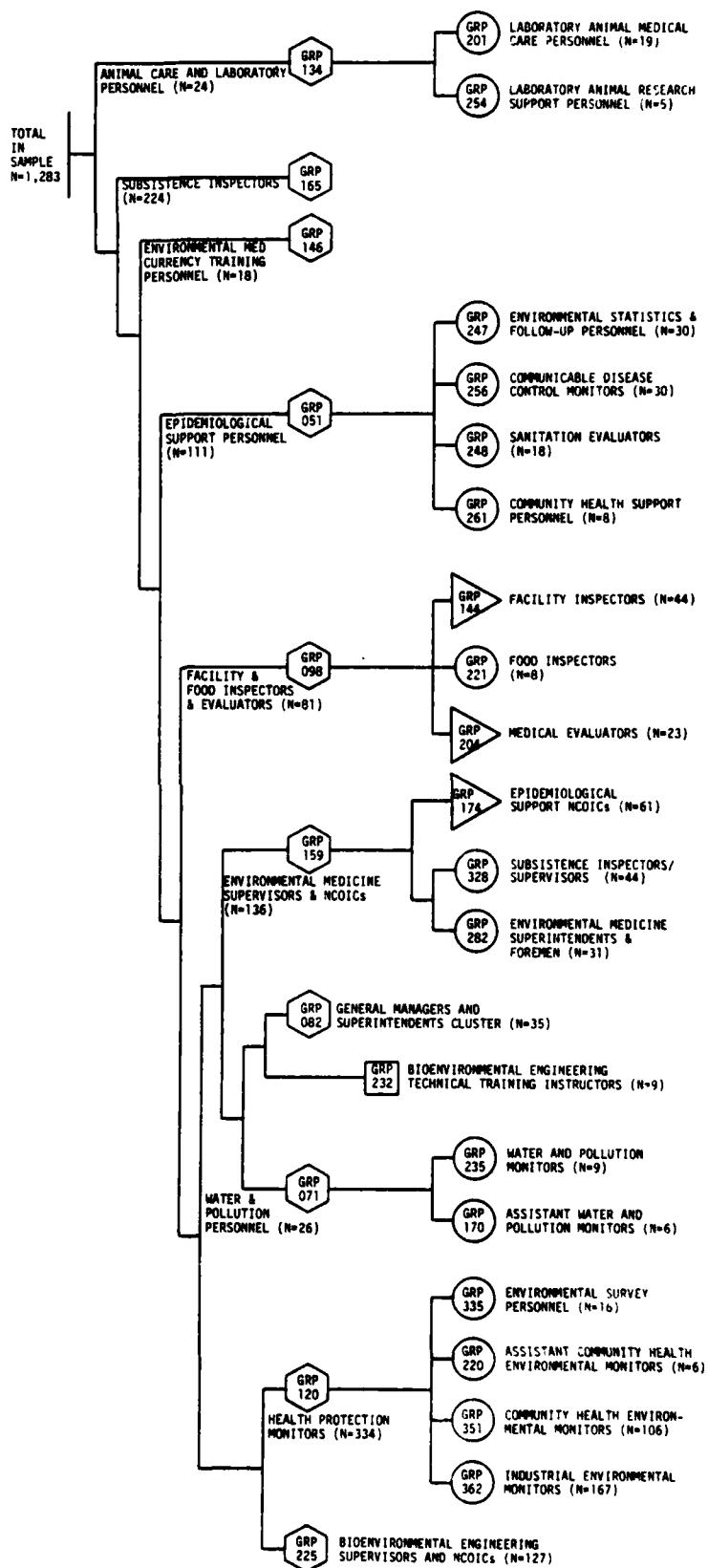
<u>PAYGRADE</u>	<u>907X0</u>		<u>908X0</u>	
	<u>PERCENT OF ASSIGNED</u>	<u>PERCENT OF SAMPLE</u>	<u>PERCENT OF ASSIGNED</u>	<u>PERCENT OF SAMPLE</u>
AIRMEN	29	30	28	27
E-4	20	19	20	21
E-5	23	24	24	25
E-6	14	13	16	15
E-7	10	12	10	9
E-8, E-9	4	2	2	3

NOTE: Manning figures are as of June 1984

TABLE 3
TAFMS DISTRIBUTION OF SURVEY SAMPLE

	MONTHS TOTAL ACTIVE FEDERAL MILITARY SERVICE				MONTHS TOTAL ACTIVE FEDERAL MILITARY SERVICE							
	<u>1-48</u>	<u>49-96</u>	<u>97-144</u>	<u>145-192</u>	<u>193-240</u>	<u>241+</u>	<u>1-48</u>	<u>49-96</u>	<u>97-144</u>	<u>145-192</u>	<u>193-240</u>	<u>241+</u>
NUMBER ASSIGNED	281	201	95	79	66	47	418	160	86	78	84	50
NUMBER IN SAMPLE	217	160	79	61	48	34	345	106	66	66	68	32
PERCENT IN TOTAL SAMPLE	36%	27%	13%	10%	8%	6%	51%	16%	9%	9%	10%	5%

FIGURE 1
CAREER LADDER STRUCTURE
AFSCs 907X0 and 908X0



always equal the sum of the groups within the cluster, since only the major job variations are examined in detail). A complete list of the jobs is presented below.

- I. BIOENVIRONMENTAL ENGINEERING SUPERVISORS AND NCOICs CLUSTER (GRP225, N=127)
- II. HEALTH PROTECTION MONITORS CLUSTER (GRP120, N=334)
 - A. Industrial Environmental Monitors (GRP362, N=167)
 - B. Community Health Environmental Monitors (GRP351, N=106)
 - C. Assistant Community Health Environmental Monitors (GRP220, N=6)
 - D. Environmental Survey Personnel (GRP335, N=16)
- III. WATER AND POLLUTION PERSONNEL CLUSTER (GRP071, N=26)
 - A. Assistant Water and Pollution Monitors (GRP170, N=6)
 - B. Water and Pollution Monitors (GRP235, N=9)
- IV. TECHNICAL TRAINING INSTRUCTORS INDEPENDENT JOB TYPE (GRP232, N=9)
- V. GENERAL MANAGERS AND SUPERINTENDENTS CLUSTER (GRP082, N=35)
- VI. ENVIRONMENTAL MEDICINE SUPERVISORS AND NCOICs CLUSTER (GRP159, N=136)
 - A. Environmental Medicine Superintendents and Foremen Job Type (GRP282, N=31)
 - B. Subsistence Inspectors/Supervisors (GRP328, N=44)
 - C. Epidemiological Support NCOICs Subcluster (GRP172, N=61)
- VII. FACILITY AND FOOD INSPECTORS AND EVALUATORS CLUSTER (GRP098, N=81)
 - A. Medical Evaluators Subcluster GRP204, N=23)
 - B. Food Inspectors Subcluster (GRP221, N=8)
 - C. Food Facility Inspectors Subcluster (GRP144, N=44)
- VIII. EPIDEMIOLOGICAL SUPPORT PERSONNEL CLUSTER (GRP051, N=111)
 - A. Community Health Support Personnel (GRP261, N=8)
 - B. Sanitation Evaluators (GRP248, N=18)
 - C. Communicable Disease Control Monitors (GRP256, N=30)
 - D. Environmental Statistics and Followup Personnel (GRP247, N=30)
- IX. ENVIRONMENTAL MEDICINE CURRENCY TRAINING PERSONNEL CLUSTER (GRP146, N=18)
- X. SUBSISTENCE INSPECTORS CLUSTER (GRP165, N=224)

XI. ANIMAL CARE AND LABORATORY PERSONNEL CLUSTER (GRP134, N=24)

A. Laboratory Animal Research Support Personnel (GRP254, N=5)
B. Laboratory Animal Medical Care Personnel (GRP201, N=19)

The respondents forming these groups account for 88 percent of the survey sample. The remaining 12 percent, though reporting similar job titles, were personnel whose task performance was too dissimilar to group with any of their career ladder peers.

Job Descriptions

Presented on the following pages are descriptions of each job listed in Figure 1. The information presented is limited to a brief description of the respondents who comprised the job groups and examples of tasks performed which indicate the nature of their jobs. Selected background data are provided for the job groups in Tables 4-6. A more extensive (but not complete) list of tasks performed by each group is provided in Appendix A.

I. BIOENVIRONMENTAL ENGINEERING SUPERVISORS AND NCOICs CLUSTER (GRP225, N=127). These supervisors and NCOICs comprise 12 percent of the sample. Ninety-nine percent hold AFSC 907X0. On an average, they spend approximately 84 percent of their job time on supervisory-related duties, such as organizing and planning, directing and implementing, inspecting and evaluation, and training, while the remaining 16 percent of their time is spent on support functions (performing general administrative procedures). Typical tasks include:

- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- establish organizational policies, office instructions (OI), or standing operating procedures (SOP)
- determine work priorities
- prepare APR
- interpret policies, directives, or procedures for subordinates
- orient newly assigned personnel
- prepare recommendations for awards or decorations
- establish work schedules
- determine requirements for space, personnel, equipment, or supplies
- schedule temporary duty, leaves, or passes
- develop budget or financial requirements
- assign personnel to duty positions

These personnel supervise an average of 3 subordinates, hold an average grade of E-6, have an average of 165 months in service, and perform an average of 177 tasks. Generally, they indicated a high degree of job satisfaction.

II. HEALTH PROTECTION MONITORS CLUSTER (GRP120, N=334). This large group of health protection personnel comprises 26 percent of the survey sample. Their primary functions involve gathering and making use of health protection information. Thirty-six percent of their job time is spent performing tasks related to the duty of conducting radiological health programs and another 28 percent on general administrative procedures. Seventy-two percent of these personnel hold DAFSC 90750, their average grade is E-4, with an average of 55 months in service, and they perform an average of 84 tasks. Common tasks include:

- perform industrial ventilation surveys
- perform noise surveys
- complete AF Forms 2754 (Chronological Record of Workplace Surveillance)
- complete AF Forms 2750 (Industrial Hygiene Sampling Data)
- complete AF Forms 2757 (Illumination Survey Data Sheet)
- perform illumination surveys
- identify hazardous noise areas
- collect breathing zone or personal air samples
- complete DD Forms 2214 (Noise Survey)
- collect air samples from industrial environment
- complete AF Forms 2764 (Industrial Ventilation Survey
Face Velocity Method)
- complete AF Forms 2761 (Hazardous Materials Data)
- complete AF Forms 2756 (Noise Survey (Dosimeter))
- complete AF Forms 2758 (Industrial Hygiene Survey Data Sheet)
- complete AF Forms 2751 (Bulk Material Sampling Data)

Fifty-three percent of the health protection personnel are in their first enlistment and a majority rendered positive indications about how they perceive their jobs, utilization of training, and utilization of talents. This cluster contains four job types which are discussed below.

A. Industrial Environmental Monitors (GRP362, N=167). These personnel are health protection personnel primarily responsible for performing Industrial Environmental functions which involve the collection of various survey data and samples used to determine environmental conditions. The two duties which consume a majority of these incumbents' time are general administrative procedures (26 percent) and conducting occupational health programs (36 percent). They perform an average of 97 tasks. Common tasks include:

- complete AF Forms 2754 (Chronological Record of Workplace Surveillance)
- perform industrial ventilation surveys
- complete AF Forms 2757 (Illumination Survey Data Sheet)
- complete AF Forms 2750 (Industrial Hygiene Sampling Data)
- collect air samples from industrial environment
- perform illumination surveys
- perform noise surveys

collect breathing zone or personal air samples
collect potable water samples for analyses
complete AF Forms 2764 (Industrial Ventilation Survey
 Face Velocity Method)
complete AF Forms 2761 (Hazardous Materials Data)
identify hazardous noise areas
drive military motor vehicles
complete DD Forms 2214 (Noise Survey)
complete AF Forms 2578 (Industrial Hygiene Survey Data
 Sheet)
perform bulk sample collection

A majority (80 percent) of these personnel hold DAFSC 90750; 74 percent are in their first enlistment with an average of 40 months in the military services.

B. Community Health Environmental Monitors (GRP351, N=106). These Community Environmental Health Protection Monitors are primarily responsible for collecting samples and conducting surveys to determine community environmental conditions and acquiring data to make necessary corrective recommendations. The main distinction between these personnel and the previous group is the work location or environment and clientele served. A majority (71 percent) of these airmen's job time is spent on two duties: general administrative procedures and conducting occupational programs (28 percent and 43 percent, respectively). They perform an average of 79 tasks. Common tasks include:

collect breathing zone or personal air samples
perform noise surveys
complete DD Forms 2214 (Noise Survey)
identify hazardous noise areas
perform illumination surveys
collect data on equipment, aircraft, or other operations
 which produce noise
recommend controls for hazardous noise
interpret PEL values and notations
interpret results of air sample analyses and make
 recommendations
recommend personal protective devices
investigate possible chemical health hazards
select or check calibration of sampling devices used in
 detecting hazardous agents

These members hold an average grade of E-4 and 34 percent are in their first enlistment.

C. Assistant Community Health Environmental Monitors (GRP220, N=6). This small group of airmen perform functions related to community health. Their tasks involve performing general administrative procedures and occupational health programs. They also perform more tasks related to NCOIC functions than the Community Health Environmental Monitors described above. Common tasks include:

- perform noise surveys
- complete DD Forms 2214 (Noise Survey)
- complete AF Forms 2757 (Illumination Survey Data Sheet)
- identify hazardous noise areas
- complete AF Forms 2756 (Noise Survey (Dosimeter))
- complete AF Forms 2751 (Bulk material sampling data)
- recommend controls for hazardous noise
- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- interpret results of air sample analyses and make recommendations
- complete AF Forms 2752 (Environmental Sampling Data)

D. Environmental Survey Personnel (GRP335, N=16). These 16 airmen are responsible for conducting a variety of surveys. Although they perform some other tasks, their duties closely parallel sample collection. These personnel are somewhat inexperienced, having an average of only 23 months in the military and are performing routine health protection surveys. Seventy-seven percent of their job time is spent on two duties: administrative procedures and conducting occupational health programs (41 percent and 37 percent, respectively). Common tasks include:

- complete AF Forms 2761 (Hazardous Materials Data)
- complete AF Forms 2754 (Chronological Record of Workplace Surveillance)
- perform industrial ventilation surveys
- perform illumination surveys
- complete AF Forms 2757 (Illumination Survey Data Sheet)
- drive military motor vehicles
- complete AF Forms 2764 (Industrial Ventilation Survey Face Velocity Method)
- complete AF Forms 2751 (Bulk Material Sampling Data)
- collect breathing zone or personal air samples
- collect air samples from industrial environment
- complete AF Forms 2758 (Industrial Hygiene Survey Data Sheet)
- collect data on equipment, aircraft, or other operations which produce noise

A majority of these personnel hold DAFSCs 90730 and 90750 (19 percent and 75 percent, respectively). Their average grade is E-3, with an average of 23 months in service. They perform an average of only 43 tasks.

III. WATER AND POLLUTION PERSONNEL CLUSTER (GRP071, N=26). The members of this cluster are responsible for monitoring water and pollution, which involves collecting and analyzing various samples and preparing required reports. A majority (81 percent) of these personnel are in their first enlistment and perform an average of 35 tasks. Forty-seven percent of their job time is spent performing water and pollution functions. Common tasks include:

- perform bacteriological analyses of water by membrane filter technique
- collect waste water samples for analyses
- perform pH determinations
- preserve water samples for chemical analysis
- perform bulk water sample collection
- complete AF Forms 2752 (Environmental Sampling Data)
- perform chlorine determinations
- perform tests to determine fluoride levels in water
- perform bacteriological analysis of water for fecal coliform
- record results of chemical analysis of water
- complete AF Forms 708 (Swimming Pool Operational Log)
- monitor ground water contamination other than bacteriological

Seventy-seven percent of these Water and Pollution Monitors hold DAFSC 90750. The average grade of these airmen is E-3. This cluster consists of two job types which are discussed below.

A. Assistant Water and Pollution Monitors (GRP170, N=6). These six airmen perform functions involving Water and Pollution monitoring. They make up a rather inexperienced group, having only 16 months of military service. Although these members work as pollution monitors, they perform more routine tasks than the other group discussed within this cluster. Common tasks include:

- collect potable water samples for analyses
- collect ice samples for bacteriological analyses
- perform bacteriological analyses of water by membrane filter technique
- perform illumination surveys
- perform industrial ventilation surveys
- complete AF Forms 2757 (Illumination Survey Data Sheet)
- drive military motor vehicles

perform noise surveys
complete DD Forms 2214 (Noise Survey)

B. Water and Pollution Monitors (GRP235, N=9). This small group of respondents is primarily responsible for performing the full scope of functions related to monitoring water and pollution. Fifty-five percent of their job time is spent on the duty of monitoring water pollution. Commonly performed functions include collecting, analyzing, and reporting the results of water and pollution. Eighty-nine percent of these members are in their first enlistment, with an average grade of E-3. They perform an average of 35 tasks. Common tasks include:

- perform pH determinations
- preserve water samples for chemical analysis
- ship water samples for chemical or radiological analyses
- complete AF Forms 2752 (Environmental Sampling Data)
- perform bacteriological analyses of water by membrane filter technique
- perform chlorine determinations
- perform tests to determine fluoride levels in water
- collect potable water samples for analyses
- perform bulk water sample collection
- participate in meetings, such as staff meetings, briefings conferences, or workshops
- drive military motor vehicles
- record results of chemical analysis of water
- complete FD Forms 2536 (Microwave Oven Field Test Record)
- complete AF Forms 708 (Swimming Pool Operational Log)
- monitor ground water contamination other than bacteriological
- examine disinfection of new and repaired water distribution lines

IV. TECHNICAL TRAINING INSTRUCTORS INDEPENDENT JOB TYPE (GRP232, N=9). This group contains personnel from both the 907X0 and 908X0 career ladders who are primarily responsible for conducting classroom instruction. Fifty-five percent of their job time is spent on training duties, while 43 percent of the remaining job time is spent on other supervisory duties. These members perform an average of 47 tasks. Representative tasks include:

- conduct resident course classroom training
- prepare lesson plans
- develop training aids
- write test questions
- schedule training sessions
- administer tests
- evaluate training progress of students

- develop resident course or career development course (CDC) curriculum materials
- assign resident course instructors
- procure training aids, space, or equipment
- research technical publications
- determine resident course training requirements
- establish work schedules
- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- evaluate training methods or techniques

These respondents hold an average grade of E-6, with an average of 12 years in service. Sixty-seven percent of these instructors hold DAFSC 90770, 11 percent hold DAFSC 90750, and the remaining 22 percent hold DAFSC 90870. Eighty-eight percent of these personnel are assigned to ATC and 12 percent are assigned to HQ USAF.

V. GENERAL MANAGERS AND SUPERINTENDENTS CLUSTER (GRP082, N=35). This group of managers and superintendents is primarily responsible for the overall management functions. Ninety-one percent of their relative job time was spent on five management supervisory related duties; organizing and planning, directing and implementing, inspecting and evaluating, training, and general administrative procedures. Approximately 50 percent of these members hold DAFSC 907X0 (90770 - 31 percent, 90790 - 11 percent, and 90700 - 6 percent) and approximately 50 percent hold DAFSC 908X0 (90850 - 3 percent, 90870 - 31 percent, 90890 - 11 percent, and 90800 - 6 percent). These managers perform an average of 68 tasks. Common tasks include:

- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- determine work priorities
- direct industrial hygiene surveillance or workplaces
- evaluate requests for issue of hazardous materials
- drive military motor vehicles
- interpret results of air sample analyses and make recommendations
- interpret PEL values and notations
- establish organizational policies, office instructions (OI), or standing operating procedures (SOP)
- prepare APR
- interpret policies, directives, or procedures for subordinates
- direct industrial ventilation surveillance programs
- establish work schedules
- coordinate with environmental medicine personnel
- complete AF Forms 2754 (Chronological Record of Workplace Surveillance)
- develop work methods or procedures

These incumbents have an average grade of E-7, with an average of more than 18 years military service, and supervise an average of 4 subordinates.

VI. ENVIRONMENTAL MEDICINE SUPERVISORS AND NCOICs CLUSTER (GRP159, N=136). This cluster represents 11 percent of the survey sample. Ninety-nine percent hold AFSC 908X0. These personnel perform supervisory-administrative duties and devote almost two-thirds of their relative job time doing so. These supervisors perform the third highest average number of tasks (77) of all groups reported. Some tasks representative of these respondents include:

- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- establish organizational policies, office instructions (OI), or standing operating procedures (SOP)
- collect and assemble information for Part II (Environmental Medicine Section) of the aerospace medicine report
- prepare APR
- determine work priorities
- counsel personnel on personal or military-related matters
- drive military motor vehicles
- interpret policies, directives, or procedures for subordinates
- orient newly assigned personnel
- establish work schedules
- direct Tuberculosis detection and control programs
- prepare AF Forms 977 (Facility Inspection Form)
- prepare work assignments
- supervise Environmental Medicine Specialist (AFSC 90850)
- develop work methods or procedures

These incumbents have an average grade of E-6, with an average of 14 years in service, while over 64 percent hold 7-skill level. Personnel within this cluster supervise an average of four subordinates. Job satisfaction indicators and reenlistment intentions for these respondents are relatively high. Three distinct supervisory job types identified within this cluster are discussed below.

A. Environmental Medicine Superintendents and Foremen Job Type (GRP282, N=31). This small group of superintendents and foremen are primarily responsible for performing high level management functions. Approximately 75 percent of these members' relative job time is spent on management and administrative functions. These functions consist of directing and implementing, organizing and planning, inspecting and evaluating, training, and general administrative procedures. With an average grade of E-7, these superintendents and foremen perform an average of 122 tasks. Examples of those tasks follows:

- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- establish organizational policies, office instructions (OI), or standing operating procedures (SOP)
- research or edit inputs for recurring reports
- perform self-inspections
- assign personnel to duty positions
- schedule temporary duty, leaves, or passes
- drive military motor vehicles
- prepare recommendations for awards or decorations
- determine work priorities
- evaluate inspection reports or procedures
- counsel personnel on personal or military-related matters
- implement self-inspection programs

This is a well experienced group of incumbents with an average of 17.5 years of military service. Ninety-one percent of these members hold 7-skill levels or higher.

B. Subsistence Inspectors/Supervisors (GRP328, N=44). These personnel perform a combination of supervisory and subsistence inspection functions. They perform the highest average number of tasks (288) of all groups reported. Common tasks include:

- evaluate inspection reports or procedures
- perform medical evaluations of on-base food serving and preparation facilities
- establish work schedules
- assign personnel to duty positions
- implement self-inspection programs
- prepare AF Forms 977 (Facility Inspection Form)
- prepare written reports on inspection of base food serving facilities
- evaluate military or environmental medicine reports
- perform self-inspections
- direct Tuberculosis detection and control programs
- perform analyses or summaries of data trends or statistics
- perform medical evaluation of on-base food storage facilities

C. Epidemiological Support NCOICs Subcluster (GRP172, N=61). These personnel are responsible for managing the epidemiological support functions of their units, organizations, or community. While they

perform some routine supervisory and management functions, their specialized functions are related to epidemiological support functions. They perform an average of 125 tasks. Common tasks include:

- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- direct Tuberculosis detection and control programs
- conduct Tuberculosis detection interviews
- monitor sexually transmitted disease case treatment and follow-up
- conduct hearing protection training
- conduct sexually transmitted disease (STD) control interviews
- establish organizational policies, office instructions (OI), or standing operating procedures (SOP)
- collect and assemble information for Part II (Environmental Medicine Section) of the aerospace medicine report
- coordinate venereal disease control programs with medical or public health personnel
- locate and interview sexually transmitted disease, Tuberculosis, and communicable disease contacts
- evaluate communicable disease trends or statistics
- report civilian sexually transmitted disease contacts to public health authorities
- conduct communicable disease control interviews other than Tuberculosis or sexually transmitted diseases
- monitor INH patient treatment programs
- coordinate Tuberculosis detection and control programs with medical or public health personnel

These personnel have an average grade of E-5 and 61 percent hold DAFSC 90870. Two percent of the members of this group hold DAFSC 90770, 7 percent hold DAFSC 90850, 86 percent hold DAFSC 90870, and 2 percent hold DAFSC 90890. They have an average of 17 years in service.

VII. FACILITY AND FOOD INSPECTORS AND EVALUATORS CLUSTER (GRP098, N=81). This group of inspectors and evaluators comprise six percent of the survey sample. They are responsible for facility and food inspecting and evaluating. Sanitary surveying consumes a large portion (43 percent) of these members' job time. They perform an average of 63 tasks. Common tasks include:

- prepare AF Forms 977 (Facility Inspection Form)
- perform medical evaluations of on-base food serving and preparation facilities
- perform medical evaluations on on-base child care centers
- perform medical evaluations of on-base barber and beauty facilities

- perform medical evaluations of other on-base places of public assemblage, such as theaters or bowling alleys
- conduct surveillance checks of food handlers' health certificates
- perform tests to indicate sanitary condition of utensils or equipment
- perform medical evaluations of base vending machines or vending machine locations
- evaluate dishwashing methods or procedures
- perform finger plate cultures of food handlers
- perform medical evaluations of on-base food processing facilities
- evaluate contract food service self-inspection systems
- collect soft serve ice cream or yogurt samples

With an average of 69 months in military service, these members hold an average grade of E-4. Fifty-one percent of these respondents are in their first enlistment. Three distinct job groups were identified within this cluster, and are discussed below.

A. Medical Evaluators Subcluster (GRP204, N=23). This small group of airmen are primarily responsible for medical inspections and evaluations. A majority (57 percent) of these evaluators' job time is spread over 5 supervisory and administrative duties, with 29 percent being spent on sanitary surveying, which is inherent in the job of medical evaluator. They perform an average of 97 tasks. Common tasks include:

- prepare medical evaluations of on-base food serving and preparation facilities
- prepare AF Forms 977 (Facility Inspection Form)
- direct inspections of food service or food storage facilities
- prepare recommendations for sanitary practices or procedures
- perform medical evaluations on on-base child care centers
- drive military motor vehicles
- prepare written reports on inspection of base food serving facilities
- perform medical evaluations of on-base barber and beauty facilities
- perform medical evaluation of on-base food storage facilities
- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- prepare APR
- evaluate dishwashing methods or procedures

Sixty-five percent of these members hold DAFSC 90870. They have an average grade of E-5, with an average of over 12 years of service, and 9 percent are in their first enlistment.

B. Food Inspectors Subcluster (GRP221, N=8). This small subcluster of individuals, while performing some of the routine functions related to supervisory and administrative duties, are primarily food inspectors. Fifty percent of these airmen were in their first enlistment and perform a great number of sanitary support functions. They perform an average of 108 tasks. Common tasks include:

- prepare AF Forms 977 (Facility Inspection Form)
- perform medical evaluations of on-base food serving and preparation facilities
- issue food handler training certificates
- perform medical evaluation of on-base food storage facilities
- perform medical evaluation of on-base barber and beauty facilities
- develop inspection schedules
- perform tests to indicate sanitary condition of utensils or equipment
- drive military motor vehicles
- evaluate dishwashing methods or procedures
- participate in meetings, such as staff meetings, briefings, conferences, or workshops
- inspect damaged subsistence items
- maintain duplicate food handlers' training card files
- prepare written reports on inspection of base food serving facilities
- prepare recommendations for sanitary practices or procedures
- conduct surveillance checks of food handlers' health

These respondents have an average grade of E-4, with an average of 61 months TAFMS.

C. Food Facility Inspectors Subcluster (GRP144, N=44). This subcluster of respondents is responsible for facility inspecting and evaluating. Duties involve the inspection of various facilities ranging from barber and beauty shops to storage facility. They are a fairly inexperienced group of airmen, with an average grade of E-3, and 73 percent are in their first enlistment. They perform an average of only 38 tasks. Common tasks include:

- prepare AF Forms 977 (Facility Inspection Form)
- perform medical evaluations of on-base food serving and preparation facilities
- perform medical evaluations on on-base child care centers

- perform medical evaluations of other on-base places of public assemblage, such as theaters or bowling alleys
- conduct surveillance checks of food handlers' health certificates
- perform medical evaluation of on-base food storage facilities
- issue food handler training certificates
- prepare written reports on inspection of base food serving facilities
- maintain duplicate food handlers' training card files
- perform medical evaluations of base vending machines or vending machine locations
- prepare recommendations for sanitary practices or procedures
- perform tests to indicate sanitary condition of utensils or equipment
- drive military motor vehicles
- prepare recommendations for proper practices or procedures for handling or storing perishable foods
- perform finger plate cultures of food handlers
- perform medical evaluations of on-base food processing facilities

VIII. EPIDEMIOLOGICAL SUPPORT PERSONNEL CLUSTER (GRP051, N=111). These 111 members comprise approximately 9 percent of the survey sample. They have the general responsibility for monitoring the adequacy of programs and services designed to treat and control the spread of various diseases, and to evaluate the suitability of overall sanitary conditions. While these personnel spend small portions of their job time on general functions, they are involved primarily with tasks related to Epidemiological support functions and spend 32 percent of their job time performing tasks related to that duty. They perform an average of 51 tasks. Common tasks include:

- monitor INH patient treatment programs
- conduct Tuberculosis detection interviews
- maintain individual Tuberculosis control program records
- monitor sexually transmitted disease case treatment and follow-up
- conduct sexually transmitted disease (STD) control interviews
- report civilian sexually transmitted disease contacts to public health authorities
- locate and interview sexually transmitted disease, Tuberculosis, and communicable disease contacts
- initiate AF Forms 2453 (Tuberculosis Detection and Control (Data))
- notify gaining MFT regarding patients on INH who are departing PCS
- complete state and federal forms for communicable diseases

coordinate Tuberculosis detection and control programs with medical or public health personnel
coordinate venereal disease control programs with medical or public health personnel
conduct hearing protection training
drive military motor vehicles
conduct communicable disease control interviews other than Tuberculosis or sexually transmitted diseases

This cluster consists of relatively inexperienced personnel, having an average grade of E-3, 29 months in the career field, 34 months in the military service, and 80 percent are in their first enlistment. Within this cluster, five job types were identified and are described below.

A. Community Health Support Personnel (GRP261, N=8). This small group of airmen are responsible for monitoring community diseases. Over half of these members are assigned to CONUS. Seventy-five percent of these personnel hold DAFSC 90870. These airmen have an average grade of E-3, with an average of 43 months in service. They perform an average of 51 tasks. Common tasks include:

maintain individual Tuberculosis control program records
initiate AF Forms 2453 (Tuberculosis Detection and Control Data)
monitor INH patient treatment programs
conduct Tuberculosis detection interviews
prepare AF Forms 977 (Facility Inspection Form)
monitor sexually transmitted disease case treatment and follow-up
perform medical evaluations of on-base food serving and preparation facilities
prepare written reports on inspection of base food serving facilities
conduct sexually transmitted disease (STD) control interviews
notify gaining MFT regarding patients on INH who are departing PCS
locate and interview sexually transmitted disease, Tuberculosis, and communicable disease contacts
prepare recommendations for proper practices or procedures for handling or storing perishable foods
perform pregnant worker evaluations
drive military motor vehicles
prepare recommendations for sanitary practices or procedures

Job satisfaction indicators for these personnel were relatively high for all indicators with the exception of job interest. Only 50 percent indicated their jobs were interesting.

B. Sanitation Evaluators (GRP248, N=18). This small group of respondents is responsible for monitoring sanitary conditions and conducting training to achieve adequate standards as required by regulation. These members have an average grade of E-3, and 83 percent are in their first enlistment. They perform an average of 74 tasks. Common tasks include:

- issue food handler training certificates
- conduct surveillance checks of food handlers' health certificates
- monitor sexually transmitted disease case treatment and follow-up
- conduct food handling and personal hygiene training for food service personnel
- monitor INH patient treatment programs
- maintain individual Tuberculosis control program records
- perform medical evaluations of other on-base places of public assemblage, such as theaters or bowling alleys
- conduct Tuberculosis detection interviews
- perform medical evaluations on on-base child care centers
- perform medical evaluations of on-base barber and beauty facilities
- conduct sexually transmitted disease (STD) control interviews
- perform medical evaluations of on-base food serving and preparation facilities
- perform medical evaluations of base vending machines or vending machine locations
- prepare AF Forms 977 (Facility Inspection Form)
- maintain duplicate food handlers' training card files
- conduct hearing protection training
- initiate AF Forms 2453 (Tuberculosis Detection and Control Data)
- perform finger plate cultures of food handlers

C. Communicable Disease Control Monitors (GRP256, N=30). These respondents are responsible for monitoring the communicable disease programs and services. In contrast to the Community Health Support group described above, these members perform more of the detailed functions relative to monitoring communicable diseases. This group is also slightly more senior, having an average grade of E-4 with an average of 40 months in service. They perform a limited job, averaging only 33 tasks. Common tasks include:

- maintain individual Tuberculosis control program records
- conduct sexually transmitted disease (STD) control interviews
- monitor sexually transmitted disease case treatment and follow-up
- conduct Tuberculosis detection interviews

report civilian sexually transmitted disease contacts to public health authorities
monitor INH patient treatment programs
locate and interview sexually transmitted disease, Tuberculosis, and communicable disease contacts
complete state and federal forms for communicable diseases
coordinate venereal disease control programs with medical or public health personnel
coordinate Tuberculosis detection and control programs with medical or public health personnel
investigate communicable disease cases other than Tuberculosis or sexually transmitted disease
notify gaining MFT regarding patients on INH who are departing PCS
conduct communicable disease control interviews other than Tuberculosis or sexually transmitted diseases
initiate AF Forms 2453 (Tuberculosis Detection and Control Data)
maintain appointment logs

D. Environmental Statistics and Followup Personnel (GRP247, N=30).

This small group of respondents is responsible for maintaining statistics and follow-up on communicable disease treatment control facilities. This group comprises fairly inexperienced members having an average grade of E-3, 27 months in service, and 90 percent are in their first enlistment. They perform an average of 53 tasks. Common tasks include:

monitor sexually transmitted disease case treatment and follow-up
report civilian sexually transmitted disease contacts to public health authorities
initiate AF Forms 2453 (Tuberculosis Detection and Control Data)
locate and interview sexually transmitted disease, Tuberculosis, and communicable disease contacts
complete state and federal forms for communicable diseases
maintain biostatistics on communicable diseases
construct and maintain tab "F" of industrial case files
fit respiratory protective devices
prepare biostatistical reports on communicable diseases
coordinate with bioenvironmental engineering personnel
perform pregnant worker evaluations
complete AF Forms 2767 (Occupational Illness/Injury Report)
investigate communicable disease cases other than Tuberculosis or sexually transmitted disease
monitor occupational health examination programs
review medical records for occupational diseases

IX. ENVIRONMENTAL MEDICINE CURRENCY TRAINING PERSONNEL CLUSTER (GRP146, N=18). This group of 18 incumbents works as currency trainers, which involves a variety of training (Health and Safety training, heart protection, etc.) and Environmental Medical Procedures. They also perform other general Environmental Medicine functions. They perform an average of 53 tasks. Common tasks include:

- fit respiratory protective devices
- conduct hearing protection training
- conduct respiratory protection training
- complete AF Forms 2767 (Occupational Health Training and Protective Equipment Fit Testing)
- monitor respiratory protection program
- conduct occupational health and safety training
- advise shop supervisors in ordering respiratory protection devices
- monitor occupational health examination programs
- monitor the proper use of personal protective devices
- perform fit testing of hearing protection devices for personnel
- direct respiratory protection programs
- research textbooks, manuals, or other publications to identify characteristics of contaminants
- review occupational health examination results
- conduct proper use of designated personal protection equipment training
- recommend personal protective devices

These personnel have an average grade of E-4, with an average of 39 months in the career field.

X. SUBSISTENCE INSPECTORS CLUSTER (GRP165, N=224). This large group comprises 18 percent of the total sample. Sixty percent of their job time is spent on performing subsistence inspections. Members perform an average of 110 tasks. Common tasks include:

- inspect damaged subsistence items
- perform organoleptic examinations
- perform class 4 inspections of dairy products
- inspect subsistence items to be offered for reduced price sales in commissaries
- perform class 4 inspections of eggs
- perform class 8 inspections of miscellaneous subsistence products
- inspect sanitary conditions of containers or vehicles used for shipment of subsistence items
- perform class 4 inspections of meat

perform closed can inspections
test weight subsistence items
perform class 4 inspections of miscellaneous subsistence products
perform class 4 inspections of fruits or vegetables
perform class 9 inspections of miscellaneous subsistence products
perform class 8 inspections of fruits or vegetables
conduct Hobart fat analysis on class 4, 5, 7, 8, and 9 ground meat times

With an average grade of E-4, these respondents average 54 months in the career field.

XI. ANIMAL CARE AND LABORATORY PERSONNEL CLUSTER (GRP134, N=24). This small group of airmen is involved with the care, treatment, and research of animals. Eighty percent of their job time is spent on duties related to animal care, performing laboratory animal medical care (52 percent) and supporting animal research programs. Twenty-nine percent of these personnel are in their first enlistment. They perform an average of 123 tasks. Common tasks include:

restrain animals by physical methods
weigh animals
perform health checks on laboratory animals
restrain animals by chemical methods
collect blood samples
calculate drug dosages
euthanatize animals
maintain individual laboratory animal records
apply identification markings to laboratory animals
feed or water laboratory animals
administer anesthetics by intramuscular method
prepare daily or weekly animal inventory forms
administer oral medications
prepare daily health check forms on laboratory animals

These personnel have an average grade of E-5, with an average of 10 years in the military service. Job satisfaction indicators for these personnel are generally high, with the exception of intentions to reenlist, only 42 percent indicated they would reenlist. Within this cluster, two job types were identified and are discussed below.

A. Laboratory Animal Research Support Personnel (GRP257, N=5). These respondents are responsible for supporting the animal research program. They typically calculate drug dosages, administer anesthetics by intramuscular methods, weigh animals, and perform health checks on laboratory animals. Forty-nine percent of these respondents' job time is spent on animal duties. They perform an average of 188 tasks. Common tasks include:

monitor animal use and care conditions
maintain records of identification systems for laboratory animals
feed or water laboratory animals
assign animals to holding facilities or research investigators
confer with commercial drug or equipment salesmen
restrain animals by physical methods
participate in meetings, such as staff meetings, briefings, conferences, or workshops
restrain animals by chemical methods
evaluate conditions for transportation of research animals
load or off-load research animals
perform health checks on laboratory animals
euthanatize animals
calculate drug dosages
perform TB testing of animals

All of these members hold the 7-skill level, and have an average of 14 years in service. Sixty percent of these members indicate their talents are well utilized, 40 percent indicate their training is well utilized, and only 20 percent intend to reenlist (60 percent will retire).

B. Laboratory Animal Medical Care Personnel (GRP201, N=19). These airmen typically work in the base Veterinary offices or laboratories and are responsible for performing animal medical care on pets. They administer injections or immunizations by subcutaneous methods, prepare fecal samples for examination, and maintain cleanliness of facilities. Many of the tasks performed by these incumbents are the same as those performed by animal research personnel. They perform an average of 106 tasks. Common tasks include:

weigh animals
apply identification markings to laboratory animals
collect blood samples
restrain animals by physical methods
perform health checks on laboratory animals
restrain animals by chemical methods
maintain individual laboratory animal records
administer anesthetics by intramuscular method
calculate drug dosages
administer anesthetics by intravenous method
administer oral medications
prepare daily health check forms on laboratory animals
prepare daily or weekly animal inventory forms
administer injections or immunizations by intramuscular method
euthanatize animals

With an average grade of E-5, these respondents average 8 years in the military service. Job satisfaction indicators are generally positive for these animal care personnel, however, only 47 percent indicate they will reenlist.

Comparison of Specialty Jobs

Selected background information, percent time spent on duties, and job satisfaction data for clusters, subclusters, and independent job types identified in this survey are displayed in Tables 4, 5, and 6. Additionally, more complete task lists related to each job group are presented in tables listed in Appendix A.

Generally, Bioenvironmental Engineering, AFSC 907X0, and Environmental Medicine, AFSC 908X0, perform distinct jobs, with some overlap in training and management functions, subsistence inspections, epidemiological support functions, and communicable disease control. With the exception of training and management functions, the overlap for the aforementioned jobs is very small (1-3 percent). Other than the overlap mentioned above, 907X0 personnel perform tasks within duties specifically related to their career ladder (General Administrative Procedures, Monitoring Water and Pollution, Conducting Occupational Health Programs, and Conducting Radiological Health Programs), while 908X0 personnel perform tasks specifically related to their career ladder (General Administrative Procedures, Subsistence Inspections, Sanitary Surveys, and Conducting Occupational Health Programs).

Job satisfaction among both AFSC 907X0 and AFSC 908X0 personnel is generally high (see Table 6). The majority of survey respondents find their jobs interesting and feel they are making good use of their training and talents. Reenlistment intentions among both career ladder personnel are also good, with a clear majority indicating their intent to reenlist.

The results of the JOB STRUCTURE ANALYSIS clearly indicate that members of the 907X0 career field as a whole, perform a highly homogeneous job that covers the total spectrum of Bioenvironmental Engineering functions. The interrelation of the jobs performed supports the existence of the present single classification structure.

The present 908X0 classification structure is also supported by the survey data with homogeneous job performance. Changes in the basic jobs performed by these personnel resulted when some functions were deleted and new functions transferred to become their responsibility. There is little technical overlap between the career ladders.

TABLE 4
RELATIVE PERCENT TIME SPENT ON DUTIES BY JOB GROUP

	BIOENVIRONMENTAL ENGINEERING SUPERVISORS AND NCOICs CLUSTER (GRP225, N=127)	HEALTH PROTECTION MONITORS CLUSTER (GRP120, N=334)	JOB TYPES			
			INDUSTRIAL ENVIRONMENTAL MONITORS	COMMUNITY HEALTH ENVIRONMENTAL MONITORS	ASSISTANT COMMUNITY HEALTH ENVIRONMENTAL MONITORS	ENVIRONMENTAL SURVEY PERSONNEL
			(GRP362, N=167)	(GRP351, N=106)	(GRP220, N=6)	(GRP336, N=16)
A ORGANIZING AND PLANNING	15	5	41	11	6	1
B DIRECTING AND IMPLEMENTING	17	6	7	11	6	1
C INSPECTING AND EVALUATING	14	4	4	5	5	1
D TRAINING	9	2	2	5	3	1
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	16	28	26	36	28	41
F PERFORMING SUBSTINCE INSPECTIONS	-	-	-	-	-	-
G PERFORMING SANITARY SURVEYS	-	-	-	-	-	-
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	-	-	-	*	-	-
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	-	-	-	-	-	*
J SUPPORTING ANIMAL RESEARCH PROGRAMS	-	-	-	-	-	-
K SUPPORTING MILITARY WORKING DOG PROGRAMS	-	-	-	-	-	-
L MONITORING WATER AND POLLUTION	6	2	18	3	3	13
M PERFORMING MEDICAL ZOOLOGY	-	-	-	-	-	-
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	18	36	31	26	43	37
O CONDUCTING KILOLOGICAL HEALTH PROGRAMS	4	6	7	-	4	4
P PERFORMING BIOENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	0	-	-	2	-	-

- = Less than 1 percent

* Columns may not add up to 100 percent due to rounding

TABLE 4 (CONTINUED)
RELATIVE PERCENT TIME SPENT ON DUTIES BY JOB GROUP

	WATER AND POLLUTION PERSONNEL CLUSTER (GRP071, N=26)	JOB TYPES		TRAINING INSTRUCTORS INDEPENDENT JOB TYPE (GRP232, N=9)	GENERAL MANAGERS AND SUPERINTENDENTS CLUSTER (GRP082, N=35)
		ASSISTANT WATER AND POLLUTION MONITORS (GRP170, N=6)	WATER AND POLLUTION MONITORS (GRP235, N=9)		
A ORGANIZING AND PLANNING	4	*	6	16	29
B DIRECTING AND IMPLEMENTING	6	6	7	10	21
C INSPECTING AND EVALUATING	3	2	3	9	20
D TRAINING	3	1	1	55	11
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	21	30	20	8	10
F PERFORMING SUBSISTENCE INSPECTIONS	*	*	-	-	1
G PERFORMING SANITARY SURVEYS	1	1	2	-	1
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	*	-	-	-	1
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	*	*	-	2	*
J SUPPORTING ANIMAL RESEARCH PROGRAMS	-	-	-	*	*
K SUPPORTING MILITARY WORKING DOG PROGRAMS	-	-	-	-	-
L MONITORING WATER AND POLLUTION	47	35	55	-	1
M PERFORMING MEDICAL ZOOLOGY	-	-	-	-	*
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	8	24	3	-	4
O CONDUCTING RADIOLOGICAL HEALTH PROGRAMS	5	2	1	*	1
P PERFORMING BIOENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	1	-	*	*	*

TABLE 4 (CONTINUED)
RELATIVE PERCENT TIME SPENT ON DUTIES BY JOB GROUP

	ENVIRONMENTAL MEDICINE SUPERVISORS AND NCOICS CLUSTER (GRP 59, N=136)	ENVIRONMENTAL MEDICINE SUPERINTENDENTS AND FOREMEN JOB TYPE (GRP 282, N=31)	JOB TYPES AND SUBCLUSTERS		
			EPIDEMIOLOGICAL SUPPORT NCOICS SUBCLUSTER (GRP 172, N=61)	SUBSISTENCE INSPECTORS/ SUPERVISORS (GRP 328, N=44)	EPIDEMIOLOGICAL SUPPORT NCOICS SUBCLUSTER (GRP 172, N=61)
A ORGANIZING AND PLANNING	16	24	14	14	13
B DIRECTING AND IMPLEMENTING	15	21	14	14	14
C INSPECTING AND EVALUATING	13	20	13	13	10
D TRAINING	10	12	9	9	9
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	11	8	10	10	14
F PERFORMING SUBSISTENCE INSPECTIONS	7	4	14	14	3
G PERFORMING SANITARY SURVEYS	8	8	9	9	8
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	9	3	7	7	14
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	*	-	*	*	*
J SUPPORTING ANIMAL RESEARCH PROGRAMS	*	-	*	*	*
K SUPPORTING MILITARY WORKING DOG PROGRAMS	*	-	*	*	*
L MONITORING WATER AND POLLUTION	*	*	*	*	*
M PERFORMING MEDICAL ZOOLOGY	1	*	1	1	1
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	9	1	7	7	15
O CONDUCTING RADIOLOGICAL HEALTH PROGRAMS	*	*	*	*	*
P PERFORMING BIOCENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS			*	*	-

TABLE 4 (CONTINUED)
RELATIVE PERCENT TIME SPENT ON DUTIES BY JOB GROUP

	SUBCLUSTERS		
	FACILITY AND FOOD INSPECTORS AND EVALUATORS CLUSTER (GRP098, N=81)	MEDICAL EVALUATORS SUBCLUSTER (GRP204, N=23)	FOOD INSPECTORS SUBCLUSTER (GRP221, N=8)
A ORGANIZING AND PLANNING	9	12	14
B DIRECTING AND IMPLEMENTING	8	13	8
C INSPECTING AND EVALUATING	6	11	10
D TRAINING	6	10	10
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	10	11	9
F PERFORMING SUBSISTENCE INSPECTIONS	10	9	17
G PERFORMING SANITARY SURVEYS	43	29	26
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	2	2	*
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	*	*	*
J SUPPORTING ANIMAL RESEARCH PROGRAMS	*	-	-
K SUPPORTING MILITARY WORKING DOG PROGRAMS	*	-	*
L MONITORING WATER AND POLLUTION	*	*	1
M PERFORMING MEDICAL ZOOLOGY	2	1	1
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	3	2	3
O CONDUCTING RADIOLOGICAL HEALTH PROGRAMS	-	-	-
P PERFORMING BIENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	-	-	-

TABLE 4 (CONTINUED)
RELATIVE PERCENT TIME SPENT ON DUTIES BY JOB GROUP

	EPIDEMIOLOGICAL SUPPORT PERSONNEL CLUSTER (GRP051, N=111)	COMMUNITY HEALTH SUPPORT PERSONNEL (GRP261, N=8)	SANITATION EVALUATORS (GRP248, N=18)	JOB TYPES		ENVIRONMENTAL STATISTICS AND FOLLOWUP PERSONNEL (GRP247, N=30)
				COMMUNICABLE DISEASE CONTROL MONITORS (GRP256, N=30)	6	
A	ORGANIZING AND PLANNING	5	5	5	6	4
B	DIRECTING AND IMPLEMENTING	10	11	8	13	10
C	INSPECTING AND EVALUATING	3	3	2	3	2
D	TRAINING	4	2	6	1	4
E	PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	16	17	13	13	23
F	PERFORMING SUBSISTENCE INSPECTIONS	4	4	7	1	1
G	PERFORMING SANITARY SURVEYS	10	25	25	4	2
H	PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	32	27	17	57	31
I	PERFORMING LABORATORY ANIMAL MEDICAL CARE	*	*	-	-	-
J	SUPPORTING ANIMAL RESEARCH PROGRAMS	-	-	-	-	-
K	SUPPORTING MILITARY WORKING DOG PROGRAMS	-	-	-	-	-
L	MONITORING WATER AND POLLUTION	*	*	*	*	*
M	PERFORMING MEDICAL ZOOLOGY	2	1	4	1	1
N	CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	15	4	13	8	24
O	CONDUCTING RADIOLOGICAL HEALTH PROGRAMS	*	-	-	-	*
P	PERFORMING BIOENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	-	-	-	-	-

TABLE 5
SELECTED BACKGROUND DATA FOR FUNCTIONAL JOB GROUPS

	BIOENVIRONMENTAL ENGINEERING SUPERVISORS AND INCOICS CLUSTER (GRP25, N=127)	HEALTH PROTECTION MONITORS CLUSTER (GRP120, N=334)	INDUSTRIAL ENVIRONMENTAL MONITORS CLUSTER (GRP32, N=167)	COMMUNITY HEALTH ENVIRONMENTAL MONITORS CLUSTER (GRP351, N=106)	JOB TYPES	
					ASSISTANT	COMMUNITY HEALTH ENVIRONMENTAL MONITORS (GRP220, N=6)
NUMBER IN GROUP:	127	334	167	6	106	16
PERCENT IN TOTAL SAMPLE:	10%	26%	13%	*	8%	1%
PERCENT IN CONUS:	66%	69%	69%	33%	69%	1%
PERCENT OVERSEAS:	34%	31%	31%	67%	31%	75%
DAFSC DISTRIBUTION:						
90730	-	15%	16%	-	9%	44%
90750	22%	75%	77%	83%	77%	56%
90770	72%	10%	7%	17%	13%	-
90790	4%	-	-	-	-	-
90700	1%	-	-	-	-	-
90830	1%	-	-	-	-	-
90850	-	-	-	-	-	-
90870	-	-	-	-	-	-
90890	-	-	-	-	-	-
90800	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-
AVERAGE GRADE:	E-6	E-4	E-4	E-4	E-4	E-3
AVERAGE MONTHS IN CAREER FIELD:	115	44	36	60	51	23
AVERAGE MONTHS IN SERVICE:	163	55	46	62	65	28
PERCENT IN FIRST ENLISTMENT:	4%	53%	74%	33%	34%	88%
NUMBER SUPERVISING:	3	1	2	2	2	1
AVERAGE NUMBER OF TASKS PERFORMED:	177	84	97	53	79	43
JOB DIFFICULTY INDEX (JDI):						
(AVERAGE JDI = 13.00):	21.5	12.6	13.1	10.8	13.3	7.1

* Less than 1 percent

TABLE 5 (CONTINUED)
SELECTED BACKGROUND DATA FOR FUNCTIONAL JOB GROUPS

	JOB TYPES			GENERAL MANAGERS AND SUPERINTENDENTS CLUSTER (GRP082, N=35)
	ASSISTANT WATER AND POLLUTION PERSONNEL CLUSTER (GRP071, N=26)	WATER AND POLLUTION MONITORS (GRP170, N=6)	WATER AND POLLUTION MONITORS (GRP235, N=9)	
NUMBER IN GROUP:	26	6	9	35
PERCENT IN TOTAL SAMPLE:	2%	*	1%	3%
PERCENT IN CONUS:	77%	83%	89%	83%
PERCENT OVERSEAS:	23%	17%	11%	17%
DAFSC DISTRIBUTION:				
90730	27%	33%	44%	-
90750	73%	67%	56%	11%
90770	-	-	-	67%
90790	-	-	-	-
90700	-	-	-	-
90830	-	-	-	-
90850	-	-	-	-
90870	-	-	-	-
90890	-	-	-	-
90800	-	-	-	-
OTHERS	-	-	-	-
AVERAGE GRADE:	E-3	E-3	E-3	E-7
AVERAGE MONTHS IN CAREER FIELD:	32	12	24	174
AVERAGE MONTHS IN SERVICE:	39	16	35	219
PERCENT IN FIRST ENLISTMENT:	81%	100%	89%	-
NUMBER SUPERVISING:	2	2	3	3%
AVERAGE NUMBER OF TASKS PERFORMED:	35	36	35	4
JOB DIFFICULTY INDEX (JDI):			47	68
(AVERAGE JDI = 13.00):	5.0	5.0	3.8	13.3

* Less than 1 percent

TABLE 5 (CONTINUED)
SELECTED BACKGROUND DATA FOR FUNCTIONAL JOB GROUPS

	ENVIRONMENTAL MEDICINE SUPERVISORS AND NCOICs CLUSTER (GRP159, N=136)	ENVIRONMENTAL MEDICINE SUPERINTENDENTS AND FOREMEN JOB TYPE (GRP282, N=31)	JOB TYPES AND SUBCLUSTERS		
			SUBSISTENCE INSPECTORS/ SUPERVISORS (GRP328, N=44)	EPIDEMIOLOGICAL SUPPORT NCOICs SUBCLUSTER (GRP172, N=61)	
NUMBER IN GROUP:	136	31	44	61	
PERCENT IN TOTAL SAMPLE:	11%	3%	3%	5%	
PERCENT IN CONUS:	74%	81%	73%	72%	
PERCENT OVERSEAS:	26%	19%	27%	28%	
DAFSC DISTRIBUTION:					
90730	-	-	-	-	-
90750	-	1%	-	2%	-
90770	-	-	-	-	-
90790	-	-	-	-	-
90700	-	-	-	-	-
90830	2%	-	-	-	5%
90850	26%	10%	-	-	47%
90870	64%	68%	7%	86%	48%
90890	4%	16%	2%	-	-
90800	2%	7%	-	-	-
OTHERS	1%	-	2%	-	-
AVERAGE GRADE:	E-6	E-7	E-7	E-5	
AVERAGE MONTHS IN CAREER FIELD:	140	176	165	104	
AVERAGE MONTHS IN SERVICE:	168	210	204	122	
PERCENT IN FIRST ENLISTMENT:	8%	-	-	18%	
NUMBER SUPERVISING:	4	5	-	4	
AVERAGE NUMBER OF TASKS PERFORMED:	177	122	122	3	
JOB DIFFICULTY INDEX (JDI)			288	125	
(AVERAGE JDI = 13.00)	19.0	17.6	23.9	16.2	

* Less than 1 percent

TABLE 5 (CONTINUED)
SELECTED BACKGROUND DATA FOR FUNCTIONAL JOB GROUPS

	SUBCLUSTERS		FOOD FACILITY INSPECTORS SUBCLUSTER (GRP144, N=44)
	FACILITY AND FOOD INSPECTORS AND EVALUATORS CLUSTER (GRP098, N=81)	MEDICAL EVALUATORS SUBCLUSTER (GRP204, N=23)	
NUMBER IN GROUP:	81	23	44
PERCENT IN TOTAL SAMPLE:	6%	2%	3%
PERCENT IN CONUS:	80%	70%	86%
PERCENT OVERSEAS:	20%	30%	14%
DAFSC DISTRIBUTION:			
90730	-	-	-
90750	-	-	-
90770	-	-	-
90790	-	-	-
90700	-	-	-
90830	20%	-	25%
90850	57%	44%	50%
90870	24%	56%	25%
90890	-	-	-
90800	-	-	-
OTHERS	1%	-	-
AVERAGE GRADE:	E-4	E-5	E-4
AVERAGE MONTHS IN CAREER FIELD:	64	120	42
AVERAGE MONTHS IN SERVICE:	79	152	61
PERCENT IN FIRST ENLISTMENT:	51%	9%	50%
NUMBER SUPERVISING:	3%	3%	2%
AVERAGE NUMBER OF TASKS PERFORMED:	63	93	108
JOB DIFFICULTY INDEX (JDI):			38
(AVERAGE JDI = 13.00):	8.3	12.6	13.2
			4.9

TABLE 5 (CONTINUED)
SELECTED BACKGROUND DATA FOR FUNCTIONAL JOB GROUPS

EPIDEMIOLOGICAL SUPPORT PERSONNEL CLUSTER (GRP051, N=111)	COMMUNITY HEALTH SUPPORT PERSONNEL (GRP261, N=8)	JOB TYPES		
		COMMUNICABLE DISEASE MONITORS (GRP256, N=30)	ENVIRONMENTAL STATISTICS AND FOLLOWUP PERSONNEL (GRP247, N=30)	
NUMBER IN GROUP:				
PERCENT IN TOTAL SAMPLE:				
PERCENT IN CONUS:				
PERCENT OVERSEAS:				
DAFSC DISTRIBUTION:				
90730	1%	-	-	-
90750	-	-	-	3%
90770	-	-	-	-
90790	-	-	-	-
90700	-	-	-	-
90830	33%	25%	44%	30%
90850	61%	63%	56%	60%
90870	5%	12%	-	3%
90890	-	-	-	-
90800	-	-	-	-
OTHERS	-	-	-	-
AVERAGE GRADE:	E-3	E-3	E-3	E-4
AVERAGE MONTHS IN CAREER FIELD:	29	37	27	36
AVERAGE MONTHS IN SERVICE:	34	43	32	40
PERCENT IN FIRST ENLISTMENT:				
NUMBER SUPERVISING:	80%	75%	83%	67%
AVERAGE NUMBER OF TASKS PERFORMED:	1	1	1	1
JOB DIFFICULTY INDEX (JDI)	51	51	74	33
(AVERAGE JDI = 13.00):	7.8	7.3	9.1	6.5
				8.4

TABLE 5 (CONTINUED)
SELECTED BACKGROUND DATA FOR FUNCTIONAL JOB GROUPS

ENVIRONMENTAL MEDICINE CURRENCY TRAINING PERS CLUSTER	NUMBER IN GROUP: (GRP146, N=18)	SUBSISTENCE INSPECTORS CLUSTER	ANIMAL CARE AND LABORATORY PERSONNEL CLUSTER	JOB TYPES	
				ANIMAL CARE AND LABORATORY PERSONNEL CLUSTER (GRP134, N=24)	LABORATORY ANIMAL RESEARCH SUPPORT PERSONNEL (GRP254, N=5)
NUMBER IN GROUP: PERCENT IN TOTAL SAMPLE: PERCENT IN CONUS: PERCENT OVERSEAS:	18 1% 89% 11%	224 17% 73% 27%	24 2% 96% 4%	5 * - -	19 1% 95% 5%
DAFSC DISTRIBUTION:					
90730	-	-	-	-	-
90750	-	-	-	-	-
90770	-	-	-	-	-
90790	-	-	-	-	-
90700	-	-	-	-	-
90830	224	27%	8%	20%	5%
90850	67%	59%	66%	40%	74%
90870	11%	14%	25%	40%	21%
90890	-	-	-	-	-
90800	-	-	-	-	-
OTHERS	-	-	1%	-	-
AVERAGE GRADE: AVERAGE MONTHS IN CAREER FIELD: AVERAGE MONTHS IN SERVICE:	E-4 33 39	E-4 45 54	E-5 94 113	E-6 147 166	E-5 80 99
PERCENT IN FIRST ENLISTMENT: NUMBER SUPERVISING: AVERAGE NUMBER OF TASKS PERFORMED: JOB DIFFICULTY INDEX (JDI) (AVERAGE JDI = 13.00):	66% 2 53	64% 2 110	29% 4 123	- 6 88	37% 3 106
	10.1	13.2	12.6	19.1	10.1

* Less than 1 percent

TABLE 6
JOB INTEREST AND PERCEIVED UTILIZATION OF TALENTS AND TRAINING
FOR PERSONNEL WITHIN FUNCTIONAL JOB GROUPS
(PERCENT RESPONDING)

	BIOENVIRONMENTAL ENGINEERING SUPERVISORS AND NCOICS CLUSTER (GRP225, N=127)	HEALTH PROTECTION MONITORS CLUSTER (GRP120, N=334)	JOB TYPES			
			INDUSTRIAL ENVIRONMENTAL MONITORS (GRP362, N=167)	COMMUNITY HEALTH ENVIRONMENTAL MONITORS (GRP351, N=106)	ASSISTANT COMMUNITY HEALTH ENVIRONMENTAL MONITORS (GRP220, N=6)	ENVIRONMENTAL SURVEY PERSONNEL (GRP335, N=16)
<u>EXPRESSED JOB INTEREST:</u>						
DULL	3	7	10	5	-	6
SO-SO	5	8	9	5	-	13
INTERESTING	92	84	80	90	100	81
NO RESPONSE	-	1	1	-	-	-
<u>PERCEIVED UTILIZATION OF TALENTS:</u>						
LITTLE OR NOT AT ALL	7	20	22	13	-	25
FAIRLY WELL TO PERFECTLY	93	80	78	87	100	69
NO RESPONSE	-	*	-	-	-	6
<u>PERCEIVED UTILIZATION OF TRAINING:</u>						
LITTLE OR NOT AT ALL	8	12	12	9	-	25
FAIRLY WELL TO PERFECTLY	91	88	86	91	100	69
NO RESPONSE	1	-	-	-	-	6
<u>REENLISTMENT INTENTIONS:</u>						
RETIRE	16	2	-	4	-	-
NO, PROBABLY NO	11	33	38	25	17	31
YES, PROBABLY YES	72	64	61	71	83	69
NO RESPONSE	1	1	1	1	-	-

* Less than 1 percent

TABLE 6 (CONTINUED)

JOB INTEREST AND PERCEIVED UTILIZATION OF TALENTS AND TRAINING
FOR PERSONNEL WITHIN FUNCTIONAL JOB GROUPS
(PERCENT RESPONDING)

	JOB TYPES			GENERAL MANAGERS AND SUPERINTENDENTS CLUSTER (GRP082, N=35)
	WATER AND POLLUTION PERSONNEL CLUSTER (GRP071, N=26)	ASSISTANT WATER AND POLLUTION MONITORS (GRP170, N=6)	WATER AND POLLUTION MONITORS (GRP235, N=9)	
<u>EXPRESSED JOB INTEREST:</u>				
DULL	4	0	0	9
SO-SO	12	17	0	14
INTERESTING	80	83	89	77
NO RESPONSE	4	-	11	-
<u>PERCEIVED UTILIZATION OF TALENTS:</u>				
LITTLE OR NOT AT ALL	15	33	11	17
FAIRLY WELL TO PERFECTLY	85	67	89	53
NO RESPONSE	-	-	-	-
<u>PERCEIVED UTILIZATION OF TRAINING:</u>				
LITTLE OR NOT AT ALL	23	33	11	17
FAIRLY WELL TO PERFECTLY	77	67	89	83
NO RESPONSE	-	-	-	-
<u>REENLISTMENT INTENTIONS:</u>				
RETIRE	4	-	-	11
NO, PROBABLY NO	27	50	22	-
YES, PROBABLY YES	69	50	78	89
NO RESPONSE	-	-	-	3

TABLE 6 (CONTINUED)

JOB INTEREST AND PERCEIVED UTILIZATION OF TALENTS AND TRAINING
FOR PERSONNEL WITHIN FUNCTIONAL JOB GROUPS
(PERCENT RESPONDING)

		JOB TYPES AND SUBCLUSTERS		
		ENVIRONMENTAL MEDICINE SUPERINTENDENTS AND FOREMEN JOB TYPE (GRP159, N=136)	SUBSISTENCE INSPECTORS/ SUPERVISORS (GRP282, N=31)	EPIDEMIOLOGICAL SUPPORT NCOICS SUBCLUSTER (GRP172, N=61)
<u>EXPRESSED JOB INTEREST:</u>				
DULL	4	-	-	8
SO-SO	6	3	9	5
INTERESTING	89	97	91	84
NO RESPONSE	1	-	-	3
<u>PERCEIVED UTILIZATION OF TALENTS:</u>				
LITTLE OR NOT AT ALL	5	-	2	8
FAIRLY WELL TO PERFECTLY	95	100	98	90
NO RESPONSE	-	-	-	2
<u>PERCEIVED UTILIZATION OF TRAINING:</u>				
LITTLE OR NOT AT ALL	6	7	5	7
FAIRLY WELL TO PERFECTLY	93	93	95	90
NO RESPONSE	1	-	-	3
<u>REENLISTMENT INTENTIONS:</u>				
RETIRE	18	36	25	3
NO, PROBABLY NO	13	20	7	15
YES, PROBABLY YES	68	42	68	82
NO RESPONSE	1	2	-	-

TABLE 6 (CONTINUED)

JOB INTEREST AND PERCEIVED UTILIZATION OF TALENTS AND TRAINING
FOR PERSONNEL WITHIN FUNCTIONAL JOB GROUPS
(PERCENT RESPONDING)

	SUBCLUSTERS		
	FACILITY AND FOOD INSPECTORS AND EVALUATORS CLUSTER (GRP098, N=81)	MEDICAL EVALUATORS SUBCLUSTER (GRP204, N=23)	FOOD INSPECTORS SUBCLUSTER (GRP221, N=8)
<u>EXPRESSED JOB INTEREST:</u>			
DULL	11	-	25
SO-SO	14	13	-
INTERESTING	75	87	75
NO RESPONSE	-	-	-
<u>PERCEIVED UTILIZATION OF TALENTS:</u>			
LITTLE OR NOT AT ALL		4	-
FAIRLY WELL TO PERFECTLY	16	96	100
NO RESPONSE	84	-	-
<u>PERCEIVED UTILIZATION OF TRAINING:</u>			
LITTLE OR NOT AT ALL		4	13
FAIRLY WELL TO PERFECTLY	9	96	87
NO RESPONSE	-	-	-
<u>REENLISTMENT INTENTIONS:</u>			
RETIRE	1	4	-
NO, PROBABLY NO	26	0	13
YES, PROBABLY YES	72	96	87
NO RESPONSE	1	-	2

TABLE 6 (CONTINUED)
 JOB INTEREST AND PERCEIVED UTILIZATION OF TALENTS AND TRAINING
 FOR PERSONNEL WITHIN FUNCTIONAL JOB GROUPS
 (PERCENT RESPONDING)

		JOB TYPES		ENVIRONMENTAL STATISTICS AND FOLLOWUP PERSONNEL GRP247, N=30)	
		COMMUNITY HEALTH SUPPORT PERSONNEL CLUSTER GRP051, N=111)	SANITATION EVALUATORS (GRP248, N=18)	COMMUNICABLE DISEASE CONTROL MONITORS (GRP256, N=30)	
<u>EXPRESSED JOB INTEREST:</u>					
DULL	6	25	11	-	3
SO-SO	17	25	17	20	20
INTERESTING	77	50	72	80	77
NO RESPONSE	-	-	-	-	-
<u>PERCEIVED UTILIZATION OF TALENTS:</u>					
LITTLE OR NOT AT ALL	14	37	6	10	17
FAIRLY WELL TO PERFECTLY	86	63	94	90	83
NO RESPONSE	-	-	-	-	-
<u>PERCEIVED UTILIZATION OF TRAINING:</u>					
LITTLE OR NOT AT ALL	11	13	6	10	13
FAIRLY WELL TO PERFECTLY	88	87	94	90	84
NO RESPONSE	1	-	-	-	3
<u>REENLISTMENT INTENTIONS:</u>					
RETIRE	-	-	-	-	-
NO, PROBABLY NO	38	36	33	43	27
YES, PROBABLY YES	62	62	67	57	73
NO RESPONSE	-	-	-	-	-

TABLE 6 (CONTINUED)
 JOB INTEREST AND PERCEIVED UTILIZATION OF TALENTS AND TRAINING
 FOR PERSONNEL WITHIN FUNCTIONAL JOB GROUPS
 (PERCENT RESPONDING)

		JOB TYPES			
		ENVIRONMENTAL MEDICINE	SUBSISTENCE INSPECTORS	ANIMAL CARE AND LABORATORY PERSONNEL	LABORATORY ANIMAL RESEARCH SUPPORT PERSONNEL (GRP124, N=24)
		TRAINING PERS	CLUSTER	CLUSTER (GRP165, N=224)	CLUSTER (GRP134, N=24)
<u>EXPRESSED JOB INTEREST:</u>					
DULL		-	11	4	5
SO-SO		-	19	25	26
INTERESTING		100	70	71	69
NO RESPONSE		-	-	-	-
<u>PERCEIVED UTILIZATION OF TALENTS:</u>					
LITTLE OR NOT AT ALL					
FAIRLY WELL TO PERFECTLY					
NO RESPONSE		-	1	-	-
<u>PERCEIVED UTILIZATION OF TRAINING:</u>					
LITTLE OR NOT AT ALL					
FAIRLY WELL TO PERFECTLY					
NO RESPONSE		-	-	-	-
<u>REENLISTMENT INTENTIONS:</u>					
RETIRE		-	1	16	6
NO, PROBABLY NO		11	27	42	47
YES, PROBABLY YES		89	71	42	47
NO RESPONSE		-	-	-	-

DAFSC GROUP ANALYSIS

In addition to examining the job structure of the Bioenvironmental Engineering (907X0) and Environmental Medicine (908X0) specialties (as discussed in the CAREER LADDER STRUCTURE section), this report also includes an analysis of the tasks incumbents perform at each skill level within each specialty. By grouping cases into the various DAFSC skill level groups, a picture develops of the similarities and differences between these groups. These data can then be used to evaluate whether personnel are being utilized in the manner specified by current specialty descriptions (AFR 39-1) and can serve as one basis for considering changes to current utilization policies or training programs.

The information in Table 7 illustrates the relative job emphasis for each of the specialties in terms of average time devoted to various duties. AFSC 907X0 incumbents spend the largest amounts of their job time concentrating on occupational health programs, general administrative activities, and water and pollution activities. In contrast, the 908X0 incumbents spend most of their job time concentrating on subsistence inspections, sanitary surveys, and epidemiological support activities. There is very little similarity between the two specialties in terms of relative time spent on duties, other than supervisory duties which are similar to both fields. The distribution of skill levels across job groups is displayed in Table 8.

DAFSC 907X0 Bioenvironmental Engineering

Personnel with a duty AFSC of 907X0 account for approximately 47 percent of the total sample. A more detailed discussion of the skill levels within the 907X0 career ladder is presented below.

DAFSC 90730. The 3-skill level personnel represent 10 percent (61 members) of the 907X0 incumbents in the survey and perform an average of 74 tasks. These members spend 86 percent of their job time on technical and administrative duties with a majority reporting they spend slightly more than one-half of their job time performing tasks related to conducting radiological health programs, conducting occupational health programs, and monitoring water and pollution (see Table 9). Eighty-two percent of the 3-skill level individuals are in the Health Protection cluster (see Table 8). Examples of tasks performed by these members include:

- collect potable water samples for analysis
- perform noise surveys
- complete DD Form 2214 (Noise Survey)
- perform illumination survey
- perform industrial ventilation surveys
- perform pH determinations
- perform chlorine determination
- collect air samples from industrial environments

TABLE 7
PERCENT TIME SPENT PERFORMING DUTIES BY 907X0/908X0 DAFSC GROUPS

DUTIES	907X0 (N=599)	908X0 (N=684)
A ORGANIZING AND PLANNING	9	9
B DIRECTING AND IMPLEMENTING	10	9
C INSPECTING AND EVALUATING	7	6
D TRAINING	6	6
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	23	11
F PERFORMING SUBSISTENCE INSPECTIONS	*	27
G PERFORMING SANITARY SURVEYS	1	12
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	*	9
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	*	3
J SUPPORTING ANIMAL RESEARCH PROGRAMS	*	*
K SUPPORTING MILITARY WORKING DOG PROGRAMS	*	*
L MONITORING WATER AND POLLUTION	11	*
M PERFORMING MEDICAL ZOOLOGY	*	1
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	26	7
O CONDUCTING RADILOGICAL HEALTH PROGRAMS	5	*
P PERFORMING BIOENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	*	*

* Less than 1 percent

NOTE: Columns may not add up to 100 percent due to rounding

TABLE 8
DISTRIBUTION OF SKILL LEVELS ACROSS MAJOR JOB GROUPS
(PERCENT MEMBERS RESPONDING)

MAJOR JOB GROUPS	907X0 SKILL LEVELS						908X0 SKILL LEVELS					
	3-SKILL	5-SKILL	7-SKILL	9-SKILL & CEM	3-SKILL	5-SKILL	7-SKILL	9-SKILL & CEM	3-SKILL	5-SKILL	7-SKILL	9-SKILL & CEM
B-ENVIRONMENTAL ENGINEERING SUPERVISORS AND NCOICs CLUSTER (GRP 225, N=127)	5	8	60	43	*	*	*	*	-	-	-	-
HEALTH PROTECTION MONITORS CLUSTER (GRP120, N=334)	82	74	27	-	-	-	*	-	-	-	-	-
WATER AND POLLUTION PERSONNEL CLUSTER (GRP077, N=26)	13	6	-	-	-	-	-	-	-	-	-	-
TECHNICAL TRAINING INSTRUCTORS 1JT (GRP232, N=9)	-	1	1	-	-	-	-	-	1	-	-	-
GENERAL MANAGERS AND SUPERINTENDENTS CLUSTER (GRP082, N=35)	-	1	2	57	-	-	2	3	28	-	-	-
ENVIRONMENTAL MEDICINE SUPERVISORS AND NCOICs CLUSTER (GRP159, N=136)	-	-	1	-	2	10	50	66	-	-	-	-
FACILITY AND FOOD INSPECTORS AND EVALUATORS CLUSTER (GRP056, N=81)	-	-	-	-	11	13	11	-	-	-	-	-
EPIDEMIOLOGICAL SUPPORT PERSONNEL CLUSTER (GRP051, N=111)	-	1	-	-	26	20	3	-	-	-	-	-
ENVIRONMENTAL MEDICINE CURRENCY TRAINING PERSONNEL CLUSTER (GRP146, N=18)	-	-	-	-	3	4	11	-	-	-	-	-
SUBSTENCE INSPECTION CLUSTER (GRP165, N=224)	-	-	-	-	52	39	18	-	-	-	-	-
ANIMAL CARE AND LABORATORY PERSONNEL CLUSTER (GRP134, N=24)	-	-	-	-	1	5	3	-	-	-	-	-
UNGROUPED	7	9	70	100	7	7	0	6	100	100	100	100
Total	100	100	100	100	100	100	100	100	100	100	100	100

* Less than 1 percent

TABLE 9
RELATIVE PERCENT TIME SPENT ON DUTIES BY 907X0 DAFSC GROUPS

DUTIES	90730 (N=61)	90750 (N=341)	90770 (N=183)	90790 (N=10)	90700 (N=4)
A ORGANIZING AND PLANNING	4	6	16	23	26
B DIRECTING AND IMPLEMENTING	6	8	16	22	30
C INSPECTING AND EVALUATING	3	5	13	20	14
D TRAINING	1	4	11	7	9
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	28	26	16	13	13
F PERFORMING SUBSISTENCE INSPECTIONS	*	*	*	-	-
G PERFORMING SANITARY SURVEYS	1	1	*	*	-
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	*	*	*	-	-
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	*	*	1	-	4
J SUPPORTING ANIMAL RESEARCH PROGRAMS	*	*	*	-	-
K SUPPORTING MILITARY WORKING DOG PROGRAMS	-	*	*	-	-
L MONITORING WATER AND POLLUTION	20	13	5	3	1
M PERFORMING MEDICAL ZOOLOGY	*	*	*	*	-
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	30	30	17	9	3
O CONDUCTING RADIOLOGICAL HEALTH PROGRAMS	6	5	4	3	-
P PERFORMING BIOENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	*	*	*	-	*

* Less than 1 percent

NOTE: Columns may not add up to 100 percent due to rounding

collect data equipment, aircraft or other operations which produce noise
collect breathing zone or personnel air samples

Table 10 lists additional tasks performed by this group to further illustrate the kinds of tasks performed by the majority of 3-skill level personnel.

DAFSC 90750. The members (18 percent of the 907X0 personnel in the survey sample) of the 5-skill level group perform a slightly broader job than indicated by the 3-skill level respondents, with 77 percent of their duty time devoted to administrative and technically oriented tasks. Table 11 presents examples of tasks performed by these members. Note that many of the tasks performed are the same for the 3-skill level group. Members of this skill level group perform an average of 84 tasks, and spend approximately one-half of their job time conducting radiological and occupational health programs, and monitoring water and pollution data. Some 5-skill level personnel take on slightly more supervisory functions. Seventy-five percent of these personnel are in the Health Protection cluster (Table 8). Tasks which differentiate between 3- and 5-skill level groups are related to supervision and require slightly more technical ability (see Table 12).

DAFSC 90770. Seven-skill level personnel represent 31 percent (183 members) of the AFS 907X0 personnel in the survey sample. They perform an average of 73 tasks. Although they spend some time (28 percent) on the technical aspects of the job, they are involved primarily with supervisory tasks, as 72 percent of their job time is spent on supervisory and administrative functions. Table 13 presents examples of tasks performed by these personnel which indicate the range of the job, with 75 percent of the group performing tasks such as preparing APRs, determining work priorities, and constructing and maintaining industrial case files. Thus, the 7-skill level job is primarily supervisory. Fifty percent of these members are in the Bioenvironmental Engineering Supervisors cluster.

Differences between 5- and 7-skill level personnel are reflected by the listing of tasks in Table 13A. As would be expected, the task differences are the result of increased supervisory and management functions required of the 7-skill level personnel.

DAFSC 90790 and CEM Code 90700. Due to the similarity of tasks performed and percent time spent on duties, these two skill levels are difficult to distinguish and are, therefore, described together. Respondents at these levels spend a majority of their job time performing management, supervisory, and staff level functions. Approximately 70 percent of their job time is spent on supervisory and management-related tasks. Although 7-skill level personnel perform some of the same tasks, the differences are in the level of performance as these members are high level managers and superintendents, and are often supervisors of 7-skill level personnel. Table 14 presents tasks commonly performed by these 90790 and CEM Code 90700 personnel. As previously mentioned, they are involved with mainly management functions. Table 15 provides those tasks which distinguish between these personnel and 7-skill level personnel.

TABLE 10
EXAMPLES OF TASKS PERFORMED BY
DAFSC 90730 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING
E253 DRIVE MILITARY MOTOR VEHICLE	91
E225 COMPLETE AF FORMS 2757 (ILLUMINATION SURVEY DATA SHEET)	88
N740 PERFORM NOISE SURVEYS	85
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	85
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	83
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	81
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	81
N738 PERFORM ILLUMINATION SURVEYS	80
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	80
N699 COLLECT AIR SAMPLES FROM INDUSTRIAL ENVIRONMENT	80
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	80
L647 COLLECT POTABLE WATER SAMPLES FOR ANALYSES	78
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	78
N700 COLLECT BREATHING ZONE OR PERSONAL AIR SAMPLES	78
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	78
N719 IDENTIFY HAZARDOUS NOISE AREAS	73
E232 COMPLETE AF FORMS 2764 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	73
N733 PERFORM BULK SAMPLE COLLECTION	73
L659 PERFORM BACTERIOLOGICAL ANALYSES OF WATER BY MEMBRANE FILTER TECHNIQUE	72
N745 RECOMMEND CONTROLS FOR HAZARDOUS NOISE	70
L672 PERFORM pH DETERMINATIONS	67
N702 COLLECT DATA ON EQUIPMENT, AIRCRAFT, OR OTHER OPERATIONS WHICH PRODUCE NOISE	67
L666 PERFORM CHLORINE DETERMINATIONS	65
E222 COMPLETE AF FORMS 2752 (ENVIRONMENTAL SAMPLING DATA)	65
L648 COLLECT WASTE WATER SAMPLES FOR ANALYSES	63
L675 PERFORM TESTS TO DETERMINE FLUORIDE LEVELS IN WATER	62
E230 COMPLETE AF FORMS 2762 (LISTING OF INDUSTRIAL HYGIENE SAMPLE RESULTS)	62
N712 CONSTRUCT AND MAINTAIN INDUSTRIAL CASE FILES EXCEPT TAB "F"	60
N746 RECOMMEND PERSONAL PROTECTIVE DEVICES	60
E265 MAINTAIN MILITARY MOTOR VEHICLES	60
E246 COMPLETE FD FORMS 2536 (MICROWAVE OVEN FIELD TEST RECORD)	59
L646 COLLECT ICE SAMPLES FOR BACTERIOLOGICAL ANALYSES	52
L661 PERFORM BACTERIOLOGICAL ANALYSIS OF WATER FOR FECAL COLIFORM	44

TABLE 11
EXAMPLES OF TASKS PERFORMED BY
DAFSC 90750 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING
N744 PERFORM TEMPERATURE AND HUMIDITY SURVEYS	67
N701 COLLECT CHEMICAL SAMPLES FROM INDUSTRIAL ENVIRONMENT	64
N726 INVESTIGATE POSSIBLE CHEMICAL HEALTH HAZARDS	63
E231 COMPLETE AF FORMS 2763 (INDUSTRIAL HYGIENE VENTILATION PRESURVEY)	62
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	60
0789 SURVEY MICROWAVE OVEN LEAKAGE	68
N716 DETERMINE AND RECOMMEND CONTROL METHODS TO PROTECT WORKERS FROM HAZARDS	57
N723 INTERPRET SHORT TERM EXPOSURE LIMIT (STEL) VALUES AND NOTATIONS	57
L672 PERFORM pH DETERMINATIONS	56
E246 COMPLETE FD FORMS 2536 (MICROWAVE OVEN FIELD TEST RECORD)	56
N698 ASSEMBLE EQUIPMENT FOR SPECIAL ENVIRONMENTAL SURVEYS	53
E233 COMPLETE AF FORMS 2765 (INDUSTRIAL VENTILATION SURVEY PILOT TRAVERSE METHOD)	53
N734 PERFORM COMFORT VENTILATION SURVEYS	53
B61 COORDINATE WITH ENVIRONMENTAL MEDICINE PERSONNEL	51
N736 PERFORM DILUTION VENTILATION SURVEYS	51
L666 PERFORM CHLORINE DETERMINATIONS	49
L682 SHIP WATER SAMPLES FOR CHEMICAL OR RADIOLOGICAL ANALYSES	49
L664 PERFORM BULK WATER SAMPLE COLLECTION	49
N735 PERFORM CURRENT WET BULB GLOBE TEMPERATURE INDEX OR CHILL	49
E265 MAINTAIN MILITARY MOTOR VEHICLES	48
L677 PRESERVE WATER SAMPLES FOR CHEMICAL ANALYSIS	48
N722 INTERPRET RESULTS OF CHEMICAL SAMPLE ANALYSES AND MAKE RECOMMENDATIONS	48
N697 ADVISE SHOP SUPERVISORS IN ORDERING RESPIRATORY PROTECTION DEVICES	48
0763 CONDUCT OPERATIONAL CHECKS OF RADIATION DETECTION (RADIAC) EQUIPMENT	47
E245 COMPLETE DD FORMS 686 (FLUORIDE/BACTERIOLOGICAL EXAMINATION OF WATER)	46
L648 COLLECT WASTE WATER SAMPLES FOR ANALYSES	46
N731 MONITOR THE PROPER USE OF PERSONAL PROTECTIVE DEVICES	46
E217 COMPLETE AF FORMS 1800 (OPERATOR'S INSPECTION GUIDE AND TROUBLE REPORT (GENERAL PURPOSE VEHICLE))	46
L663 PERFORM BULK SAMPLE COLLECTION OF HAZARDOUS WASTE	46
N727 INVESTIGATE POSSIBLE PHYSICAL HEALTH HAZARDS	44
0779 ISSUE, COLLECT, OR EXCHANGE TLD DOSIMETER	43
L675 PERFORM TESTS TO DETERMINE FLUORIDE LEVELS IN WATER	43
C143 EVALUATE REQUESTS FOR ISSUE OF HAZARDOUS MATERIALS	43

TABLE 12
TASKS WHICH BEST DISTINGUISH BETWEEN DAFSC 90730 AND 90750

TASKS	DAFSC 90730	DAFSC 90750	DIFF
E239 COMPLETE AF FORMS 708 (SWIMMING POOL OPERATIONAL LOG)	59	34	+24
-----	-----	-----	-----
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	11	42	-31
N728 ISSUE EXCEPTION CODE LISTING	14	38	-24
D176 CONDUCT OJT	4	27	-24
B108 SUPERVISE BIOENVIRONMENTAL ENGINEERING SPECIALISTS (AFSC 90750)	0	22	-22
A52 WRITE JUSTIFICATIONS FOR PROCUREMENT OF EQUIPMENT, SUPPLIES, OR WORK AREAS	3	25	-22
B61 COORDINATE WITH ENVIRONMENTAL MEDICINE PERSONNEL	29	51	-22
C158 PREPARE APR	1	23	-22
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	39	60	-21
C143 EVALUATE REQUESTS FOR ISSUE OF HAZARDOUS MATERIALS	22	43	-21
E282 WRITE CORRESPONDENCE	19	40	-21
B106 SUPERVISE APPRENTICE BIOENVIRONMENTAL ENGINEERING SPECIALISTS (AFSC 90730)	0	19	-19
A4 DETERMINE WORK PRIORITIES	21	40	-19

TABLE 13
EXAMPLES OF TASKS PERFORMED BY
DAFSC 90770 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	88
A4 DETERMINE WORK PRIORITIES	78
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	74
E253 DRIVE MILITARY MOTOR VEHICLES	77
C158 PREPARE APR	73
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	69
A16 ESTABLISH WORK SCHEDULES	68
N721 INTERPRET RESULTS OF AIR SAMPLE ANALYSES AND MAKE RECOMMENDATIONS	67
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	66
N720 INTERPRET PEL VALUES AND NOTATIONS	66
B61 COORDINATE WITH ENVIRONMENTAL MEDICINE PERSONNEL	65
C143 EVALUATE REQUESTS FOR ISSUE OF HAZARDOUS MATERIALS	65
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	64
B69 DIRECT INDUSTRIAL HYGIENE SURVEILLANCE OR WORKPLACES	63
A11 DEVELOP WORK METHODS OR PROCEDURES	63
C168 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	62
A35 PREPARE WORK ASSIGNMENTS	62
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	62
B108 SUPERVISE BIOENVIRONMENTAL ENGINEERING SPECIALISTS (AFSC 90750)	61
A52 WRITE JUSTIFICATIONS FOR PROCUREMENT OF EQUIPMENT, SUPPLIES, OR WORK AREAS	61
N719 IDENTIFY HAZARDOUS NOISE AREAS	61
B70 DIRECT INDUSTRIAL VENTILATION SURVEILLANCE PROGRAMS	60
N748 RESEARCH TEXTBOOKS, MANUALS, OR OTHER PUBLICATIONS TO IDENTIFY CHARACTERISTICS OF CONTAMINANTS	59
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	57
E282 WRITE CORRESPONDENCE	56
C167 REVIEW REPORTS OF SURVEYS	54
N712 CONSTRUCT AND MAINTAIN INDUSTRIAL CASE FILES EXCEPT TAB "F"	52
C117 ANALYZE WORKLOAD REQUIREMENTS	51
E275 RESEARCH TECHNICAL PUBLICATIONS	50
E260 MAINTAIN ADMINISTRATIVE FILES	42

TABLE 13A
TASKS WHICH BEST DISTINGUISH BETWEEN DAFSC 90750 AND 90770

TASKS	DAFSC 90750	DAFSC 90770	DIFF
C158 PREPARE APR	23	73	-50
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	13	62	-49
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	22	69	-47
C157 PERFORM SELF-INSPECTIONS	10	56	-46
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	10	55	-45
B95 IMPLEMENT SELF-INSPECTION PROGRAMS	6	49	-43
C160 PREPARE RECOMMENDATIONS FOR AWARDS OR DECORATIONS	7	50	-43
A3 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	34	67	-42
A35 PREPARE WORK ASSIGNMENTS	19	62	-42
A5 DEVELOP BUDGET OR FINANCIAL REQUIREMENTS	8	50	-42
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	20	62	-42
A41 SERVE ON AEROSPACE MEDICAL COUNCILS	11	53	-41
A16 ESTABLISH WORK SCHEDULES	27	68	-41
D188 DETERMINE OJT REQUIREMENTS	12	53	-40
B54 ASSIGN PERSONNEL TO DUTY POSITIONS	5	45	-40
A10 DEVELOP SELF-INSPECTION PROGRAMS	9	49	-39
E214 COLLECT AND ASSEMBLE INFO FOR PART III (BIOENVIRONMENTAL ENGRG SECTION) OF THE AEROSPACE MEDICINE RPT	19	59	-39
B108 SUPERVISE BIOENVIRONMENTAL ENGINEERING SPECIALISTS (AFSC 90750)	22	61	-39
B102 ORIENT NEWLY ASSIGNED PERSONNEL	24	63	-39
D200 MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	15	53	-38
C117 ANALYZE WORKLOAD REQUIREMENTS	13	51	-38
A14 ESTABLISH PERFORMANCE STANDARDS	9	48	-38
A4 DETERMINE WORK PRIORITIES	40	78	-37
B63 DIRECT BIOENVIRONMENTAL ENGINEERING PORTION OF DISASTER PREPAREDNESS PROGRAMS	12	49	-37
A11 DEVELOP WORK METHODS OR PROCEDURES	26	63	-36

TABLE 14
REPRESENTATIVE TASKS PERFORMED BY 90790
AND 90700 CEM CODE PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	92
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	92
A3 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	92
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	85
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	85
C119 EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	85
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	85
C158 PREPARE APR	85
A36 PREPARE, RESEARCH, OR EDIT PROBLEM-SOLVING REPORTS, SUCH AS STAFF SUMMARIES OR ONE-TIME RPTS ON ITEMS OF INTEREST	85
A28 PREPARE BRIEFINGS	85
B55 CONDUCT BRIEFINGS	85
A4 DETERMINE WORK PRIORITIES	85
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI) OR STANDING OPERATING PROCEDURES (SOP)	85
E282 WRITE CORRESPONDENCE	78
C160 PREPARE RECOMMENDATIONS FOR AWARDS OR DECORATIONS	78
A77 DEVELOP WORK METHODS OR PROCEDURES	78
B103 PREPARE BUDGET OR FINANCIAL REQUESTS	71
C168 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	71
A7 DEVELOP INSPECTION SCHEDULES	57
B60 COORDINATE WITH BIOENVIRONMENTAL ENGINEERING PERSONNEL	50
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	28
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	21
I533 PREPARE SLIDES FOR MICROSCOPIC EXAMINATIONS	7

TABLE 15
TASKS WHICH BEST DISTINGUISH BETWEEN DAFSC 90770
AND 90790/90700 CEM CODE

TASKS	DAFSC 90770	DAFSC 90790/ 90700 CEM CODE	DIFF
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	66	20	+46
D175 CONDUCT MEDICAL/CHEMICAL TRAINING	42	0	+42
N740 PERFORM NOISE SURVEYS	61	20	+41
E222 COMPLETE AF FORMS 2752 (ENVIRONMENTAL SAMPLING DATA)	51	10	+41
N719 IDENTIFY HAZARDOUS NOISE AREAS	61	20	+41
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	59	20	+39

A5 DEVELOP BUDGET OR FINANCIAL REQUIREMENTS	50	90	-39
B94 IMPLEMENT SECURITY PROGRAMS	40	80	-40
B103 PREPARE BUDGET OR FINANCIAL REQUESTS	40	80	-40
C148 EVALUATE SUGGESTIONS	30	70	-40
B110 SUPERVISE BIOENVIRONMENTAL ENGINEERING TECHNICIANS (AFSC 90770)	40	80	-40
B55 CONDUCT BRIEFINGS	50	90	-40
B90 DRAFT LOCAL POLICY OR HIGHER HEADQUARTERS DIRECTIVES	20	60	-40
B76 DIRECT MAINTENANCE OF ADMINISTRATIVE FILES	49	90	-41
A9 DEVELOP ORGANIZATIONAL CHARTS	28	70	-42
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	56	100	-44
A22 PLAN LAYOUT OF FACILITIES	16	60	-44
B77 DIRECT MAINTENANCE OF FACILITIES OR WORK AREAS	35	80	-45
C120 EVALUATE BUDGETING OR FINANCIAL REQUIREMENTS	34	80	-46
B78 DIRECT MAINTENANCE OF PUBLICATION LIBRARIES	44	90	-46
B111 SUPERVISE CIVILIAN PERSONNEL	13	60	-47
A26 PREPARE AGENDA FOR STAFF MEETINGS	32	80	-48
A36 PREPARE, RESEARCH, OR EDIT PROBLEM-SOLVING REPORTS, SUCH AS STAFF SUMM OR ONE-TIME RPTS ON ITEMS OF INT	39	90	-51
C119 EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	46	100	-53
E262 MAINTAIN CIVILIAN TIMECARDS	12	70	-57

DAFSC 908X0 Environmental Medicine

Personnel with a duty AFSC of 908X0 account for approximately 53 percent of the survey sample. This analysis will include a discussion of the duties and tasks common to skill level groups, as well as those which best differentiate 3-, 5-, 7-, and 9-skill levels and CEM Code 908X0 groups. A more detailed discussion of skill level groups follow.

DAFSC 90830. These 3-skill level respondents represent 16 percent (140 members) of the 908X0 incumbents in the survey sample. In general, the job performed by these personnel involves subsistence inspections, sanitation surveys, and epidemiological support procedures. Those 3 duties consume 63 percent of these members' job time (see Table 16). Tasks commonly performed by these members include:

- perform medical evaluation of on-base food serving and preparation facilities
- monitor INH patient treatment program
- issue food handlers training certificates
- safeguard food inspection stamps
- maintain individual TB control program records
- perform medical evaluations of on-base child care centers
- inspect damaged subsistence items
- conduct hearing protection training

For a more extensive list of tasks performed, see Table 17 which illustrates the jobs of 90830 incumbents.

DAFSC 90850. Members of the 5-skill level group represent 20 percent (176 members) of the 908X0 incumbents who responded to the survey sample. These members spend a majority of their job time on the same three duties as the 3-skill level personnel which involve subsistence inspections, sanitation surveys, and epidemiological support procedures (see Table 16). These 3 duties consume 51 percent of these individuals' job time. Three- and 5-skill level respondents perform similar jobs. The small difference which exists between these groups is the result of 5-skill level personnel performing slightly more supervisory functions than 3-skill level personnel (see Table 18). Examples of common tasks performed by these respondents are provided in Table 17A.

DAFSC 90870. Seven-skill level personnel spend 51 percent of their job time performing supervisory duties; however, these incumbents still spend 42 percent of their total job time performing subsistence inspections, general administrative, sanitation surveys, and epidemiological support procedures which indicates a job that is a mix of supervisory and technical functions. Table 19 reveals the most common tasks performed by 90870 personnel. Tasks primarily involve supervision or some aspect of subsistence inspection, such as determining work priorities, developing work methods or procedures, safeguarding food stamps, and performing organoleptic examinations.

TABLE 16
PERCENT TIME SPENT PERFORMING DUTIES BY 908X0 DAFSC GROUPS

DUTIES	90830 (N=140)	90850 (N=341)	90870 (N=176)	90890 (N=14)	90800 (N=4)
A ORGANIZING AND PLANNING	5	7	15	29	22
B DIRECTING AND IMPLEMENTING	6	7	14	20	16
C INSPECTING AND EVALUATING	3	4	12	25	22
D TRAINING	3	6	10	8	8
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	10	12	10	7	12
F PERFORMING SUBSISTENCE INSPECTIONS	39	29	15	4	8
G PERFORMING SANITARY SURVEYS	14	13	9	11	3
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	10	9	6	4	-
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	1	4	2	*	-
J SUPPORTING ANIMAL RESEARCH PROGRAMS	1	4	1	3	-
K SUPPORTING MILITARY WORKING DOG PROGRAMS	-	*	*	-	-
L MONITORING WATER AND POLLUTION	*	*	*	5	-
M PERFORMING MEDICAL ZOOLOGY	1	1	*	2	-
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	7	8	5	5	*
O CONDUCTING RADIOLOGICAL HEALTH PROGRAMS	*	*	*	-	-
P PERFORMING BIOENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	*	*	*	1	-

* Less than 1 percent

NOTE: Columns may not add up to 100 percent due to rounding

TABLE 17
EXAMPLES OF TASKS PERFORMED BY
DAFSC 90830 PERSONNEL

<u>TASKS</u>	<u>PERCENT MEMBERS PERFORMING</u>
E253 DRIVE MILITARY MOTOR VEHICLES	62
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	55
F303 INSPECT SANITARY CONDITIONS OF CONTAINERS OR VEHICLES USED FOR SHIPMENT OF SUBSISTENCE ITEMS	51
F375 PREPARE DD FORMS 1222 (REQUEST FOR AND RESULTS OF TEST)	50
F315 PERFORM CLASS 4 INSPECTIONS OF DAIRY PRODUCTS	50
F299 INSPECT DAMAGED SUBSISTENCE ITEMS	50
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	49
F289 CONDUCT HOBART FAT ANALYSIS ON CLASS 4, 5, 7, 8, AND 9 GROUND MEAT ITEMS	49
F388 SAFEGUARD FOOD INSPECTION STAMPS	47
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	43
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	42
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	40
G444 MONITOR INH PATIENT TREATMENT PROGRAMS	38
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	38
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	37
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STC) CONTROL INTERVIEWS	35
E260 MAINTAIN ADMINISTRATIVE FILES	35
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	34
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	32
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CASE TREATMENT AND FOLLOW-UP	32
N708 CONDUCT HEARING PROTECTION TRAINING	31
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	28
B57 COORDINATE TUBERCULOSIS DETECTION AND CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	27

TABLE 17A
EXAMPLES OF TASKS PERFORMED BY
DAFSC 90850 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING
E253 DRIVE MILITARY MOTOR VEHICLES	63
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	60
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	55
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	48
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	43
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	43
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	43
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	42
G412 PERFORM MEDICAL EVALUATIONS OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	42
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	42
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	40
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (SID) CONTROL INTERVIEWS	40
G422 PREPARE WRITTEN REPORTS ON INSPECTION OF BASE FOOD SERVING FACILITIES	39
G419 PREPARE RECOMMENDATIONS FOR PROPER PRACTICES OR PROCEDURES FOR HANDLING OR STORING PERISHABLE FOODS	39
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CASE TREATMENT AND FOLLOW-UP	38
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	38
H444 MONITOR INH PATIENT TREATMENT PROGRAMS	37
E260 MAINTAIN ADMINISTRATIVE FILES	37
E282 WRITE CORRESPONDENCE	37
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	35
N708 CONDUCT HEARING PROTECTION TRAINING	35
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	34
E261 MAINTAIN APPOINTMENT LOGS	33
N737 PERFORM FIT TESTING OF HEARING PROTECTION DEVICES FOR PERSONNEL	30

TABLE 18
TASKS WHICH BEST DISTINGUISH BETWEEN DAFSC 90830 AND 90850

TASKS	DAFSC 90830	DAFSC 90850	DIFF
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	16	41	-25
D176 CONDUCT OJT	9	32	-23
C158 PREPARE APR	2	24	-22
B102 ORIENT NEWLY ASSIGNED PERSONNEL	10	32	-22
B107 SUPERVISE APPRENTICE ENVIRONMENTAL MEDICINE SPECIALTIES (AFSC 90830)	2	24	-22
E282 WRITE CORRESPONDENCE	17	37	-20
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	6	26	-20
B112 SUPERVISE ENVIRONMENTAL MEDICINE SPECIALIST (AFSC 90850)	1	21	-20
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	5	23	-18
A35 PREPARE WORK ASSIGNMENTS	7	23	-16
E215 COLLECT AND ASSEMBLE INFORMATION FOR PART II (ENVIRONMENTAL MEDICINE SECTION) OF THE AEROSPACE MEDICINE RPT	15	31	-16
C132 EVALUATE INSPECTION REPORTS OR PROCEDURES	4	19	-15
A4 DETERMINE WORK PRIORITIES	26	41	-15
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	2	16	-14
E250 COMPLETE SF FORMS 513 (MEDICAL RECORD-CONSULTATION SHEET)	14	28	-14
A16 ESTABLISH WORK SCHEDULES	12	26	-14
D185 COUNSEL TRAINEES ON TRAINING PROGRESS	3	16	-13
D186 DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	7	20	-13

TABLE 19
EXAMPLES OF TASKS PERFORMED BY
DAFSC 90870 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	89
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	87
A4 DETERMINE WORK PRIORITIES	86
C138 PREPARE APR	86
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	78
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	78
E253 DRIVE MILITARY MOTOR VEHICLES	78
B102 ORIENT NEWLY ASSIGNED PERSONNEL	78
A16 ESTABLISH WORK SCHEDULES	75
B112 SUPERVISE ENVIRONMENTAL MEDICINE SPECIALIST (AFSC 90850)	73
D176 CONDUCT OJT	73
E215 COLLECT AND ASSEMBLE INFORMATION FOR PART II (ENVIRONMENTAL MEDICINE SECTION) OF THE AEROSPACE MEDICINE REPORT	69
A11 DEVELOP WORK METHODS OR PROCEDURES	69
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	68
C157 PERFORM SELF-INSPECTIONS	68
E282 WRITE CORRESPONDENCE	65
C132 EVALUATE INSPECTION REPORTS OR PROCEDURES	65
A35 PREPARE WORK ASSIGNMENTS	65
A18 PERFORM ANALYSES OR SUMMARIES OF DATA TRENDS OR STATISTICS	65
B71 DIRECT INSPECTIONS OF FOOD SERVICE OR FOOD STORAGE FACILITIES	64
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	63
B55 CONDUCT BRIEFINGS	63
E260 MAINTAIN ADMINISTRATIVE FILES	62
B95 IMPLEMENT SELF-INSPECTION PROGRAMS	61
C119 EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	61
A28 PREPARE BRIEFINGS	61
B107 SUPERVISE APPRENTICE ENVIRONMENTAL MEDICINE SPECIALISTS (AFSC 90830)	60
D138 DETERMINE OJT REQUIREMENTS	60
G422 PREPARE WRITTEN REPORTS ON INSPECTION OF BASE FOOD SERVING FACILITIES	57
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	54

TABLE 20
TASKS WHICH BEST DISTINGUISH BETWEEN DAFSC 90850 AND 90870

TASKS	DAFSC 90850	DAFSC 90870	DIFF
C158 PREPARE APR	24	86	-61
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	23	78	-55
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	16	68	-52
C160 PREPARE RECOMMENDATIONS FOR AWARDS OR DECORATIONS	8	60	-52
B112 SUPERVISE ENVIRONMENTAL MEDICINE SPECIALIST (AFSC 90850)	21	73	-51
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	12	64	-51
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	26	78	-51
A16 ESTABLISH WORK SCHEDULES	26	75	-48
D188 DETERMINE OJT REQUIREMENTS	11	60	-48
D171 ASSIGN ON-THE-JOB (OJT) TRAINERS	6	55	-48
C157 PERFORM SELF-INSPECTIONS	20	68	-48
B54 ASSIGN PERSONNEL TO DUTY POSITIONS	10	57	-47
C132 EVALUATE INSPECTION REPORTS OR PROCEDURES	19	65	-46
A5 DEVELOP BUDGET OR FINANCIAL REQUIREMENTS	8	54	-46
B95 IMPLEMENT SELF-INSPECTION PROGRAMS	15	61	-45
B102 ORIENT NEWLY ASSIGNED PERSONNEL	32	78	-45

The greatest differences between the two skill level groups occur in both the supervision and subsistence inspection duties. DAFSC 90830 and 90850 personnel spend a very small amount of their job time performing supervisory duties compared to 42 percent for 7-skill level incumbents. Task differences were also noted between DAFSC 90850 and 90870 incumbent (see Table 20). Supervisory tasks, such as preparing APRs or scheduling leaves or passes, are performed by a larger percentage of 90870 incumbents.

DAFSC 90890 and CEM Code 90800. DAFSC 90890 (9 members) and CEM Code 90800 (4 members) personnel were combined due to the similarity of the tasks they perform and the small number of 90800 personnel. These personnel spend approximately 78 percent of their job time performing supervisory and management duties. Table 21 lists examples of tasks which are performed by the greatest percentages of 90890 and CEM personnel. As expected, these tasks are primarily management and supervisory in nature, such as preparing APRs, participating in staff meetings, and establishing organizational policies and procedures. Some examples of the technical tasks these incumbents perform include preparing written reports of inspection of base food serving facilities and acting as a technical advisor to procurement officers. A comparison of 90870 versus 90890 and CEM personnel reveals the greatest duty differences occur in the supervisory and management areas. Examples of tasks which best differentiate these skill levels are presented in Table 21A. Seven-skill level incumbents report spending 42 percent of their job time performing supervisory duties, while 90890 and CEM respondents spend 78 percent of their job time performing the management and supervisory duties.

Summary

In the analysis of skill level groups, subsistence inspection tasks are indicative of 90830 and 90850 personnel. Seven-skill level personnel also spend job time performing subsistence inspection tasks but, in addition, spend 42 percent of their job time performing supervisory duties. DAFSC 90890 and CEM personnel spend 78 percent of their job on supervisory and management functions, with the remainder being spent primarily on subsistence inspection, sanitation surveys, and general administrative procedures.

COMPARISON OF SURVEY DATA TO AFR 39-1 SPECIALTY DESCRIPTIONS

Survey data for the 907X0 and 908X0 career ladder were compared to the AFR 39-1 Specialty Descriptions, both of which were dated 30 April 1983. These descriptions are complete, well supported by survey data, and accurately portray the duties and responsibilities of Bioenvironmental Engineering and Environmental Medicine personnel. The descriptions are intended to give a broad overview of the duties and tasks required to be performed by the various skill level personnel.

TABLE 21
REPRESENTATIVE TASKS PERFORMED BY 90890
AND 90800 CEM CODE PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	94
A4 DETERMINE WORK PRIORITIES	94
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	93
C119 EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	83
A10 DEVELOP SELF-INSPECTION PROGRAMS	83
B55 CONDUCT BRIEFINGS	83
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	77
A39 REVISE OR EDIT DIRECTIVES, SUCH AS MANUALS, REGULATIONS, SUPPLEMENTS, OR OTHER PUBLICATIONS	77
C147 EVALUATE SELF-INSPECTION PROGRAMS	77
B54 ASSIGN PERSONNEL TO DUTY POSITIONS	77
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	72
C160 PREPARE RECOMMENDATIONS FOR AWARDS OR DECORATIONS	72
C168 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	66
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	66
C132 EVALUATE INSPECTION REPORTS OR PROCEDURES	66
C161 PREPARE REPLIES ON ACTION ITEMS IN RESPONSE TO INSPECTION REPORTS	61
E282 WRITE CORRESPONDENCE	55

TABLE 21A
TASKS WHICH BEST DISTINGUISH BETWEEN DAFSC 90870
AND 90890/90800 CEM CODE

TASKS	DAFSC 90870	DAFSC	CEM CODE	DIFF
		90890/ 90800		
E260 MAINTAIN ADMINISTRATIVE FILES	62	7	55	
D200 MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	59	14	44	
B112 SUPERVISE ENVIRONMENTAL MEDICINE SPECIALISTS (AFSC 90850)	73	28	44	
E272 PREPARE REQUISITIONS FOR NONMEDICAL SUPPLIES	44	0	44	
F307 MAINTAIN DD FORMS 1740 (FOOD INSPECTION STAMP RECORD)	43	0	43	
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	50	7	42	
E270 PREPARE REQUISITIONS FOR LOCAL PURCHASES	42	0	42	
F294 DETERMINE EXPECTED SHELF LIFE OR CONDITION OF GOODS	42	0	42	
E268 PREPARE AF FORMS 190 (OCCUPATIONAL ILLNESS/INJURY REPORT)	41	0	41	
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	40	0	40	
F311 MAKE RECOMMENDATIONS TO ACCOUNTABLE OFFICER BASED ON CONDITION OF GOODS	40	0	40	
D185 COUNSEL TRAINEES ON TRAINING PROGRESS	54	14	40	
B107 SUPERVISE APPRENTICE ENVIRONMENTAL MEDICINE SPECIALISTS (AFSC 90830)	60	21	39	
F303 INSPECT SANITARY CONDITIONS OF CONTAINERS OR VEHICLES USED FOR SHIPMENT OF SUBSISTENCE ITEMS	38	0	38	
D169 ADMINISTER TESTS	38	0	38	
E271 PREPARE REQUISITIONS FOR MEDICAL SUPPLIES	38	0	38	
F314 PERFORM ALFOODACT SUBSISTENCE INSPECTIONS	38	0	38	
F298 FORMULATE RECOMMENDATIONS FOR IMMEDIATE USE OR DISPOSITION OF DETERIORATED ITEMS	44	7	37	
F299 INSPECT DAMAGED SUBSISTENCE ITEMS	44	7	37	
H426 COMPLETE STATE AND FEDERAL FORMS FOR COMMUNICABLE DISEASES	37	0	37	
E242 COMPLETE DD FORMS 1232 (QUALITY ASSURANCE REPRESENTATIVE'S CORRESPONDENCE)	36	0	36	
D204 PLAN OJT	51	14	36	
D208 SCHEDULE TRAINING SESSIONS	43	7	36	
F388 SAFEGUARD FOOD INSPECTION STAMPS	43	7	36	
F318 PERFORM CLASS 4 INSPECTIONS OF FRUITS OR VEGETABLES	36	0	36	

Overall, the 3-, 5-, 7-, and 9-skill level and CEM Code descriptions were found to provide a clear, concise overview of the major duties and tasks performed by 907X0 and 908X0 incumbents. No duties or responsibilities were omitted, nor were any trends identified during analysis of career ladder structure which indicated a need for any changes in either 907X0 or 908X0 Specialty Descriptions.

ANALYSIS OF EXPERIENCE (TAFMS) GROUPS

In addition to the analysis of tasks and jobs across skill level groups, it is also important to analyze jobs and tasks as they relate to experience in the career field. First-enlistment personnel are of particular interest in terms of training implications. Table 22 reflects the percent of time spent on duties by personnel in the various enlistment groups. Generally, first-enlistment personnel are working in all major jobs (see Figure 2). Table 23 provides job satisfaction data for these career ladders. A more detailed discussion of how first-enlistment personnel are working within these career fields and how these personnel perceive their jobs is presented below.

907X0 First-Enlistment Personnel

As illustrated in Figure 3, first-enlistment personnel participate in a full range of activities related to 907X0 functions and are members of all of the technically-oriented jobs. Eighty-three percent of the 1-48 months personnel are performing Health Protection functions. Ten percent are working as water and pollution monitor personnel. As discussed in the SPECIALTY JOBS section of this report, and displayed in Figure 2, personnel in their first four years in the specialty perform tasks related to all major job clusters, with the majority working as Health Protection personnel.

Since the first-enlistment (1-48 months TAFMS) groups are the target population for initial skill training, the tasks they perform are most important. Table 24 provides tasks commonly performed by airmen with 1-48 months TAFMS. Common tasks performed by these airmen include: conducting occupational health programs, general administrative functions, monitoring water pollution, and general bioenvironmental engineering actions, such as perform noise surveys, complete AF Forms 2761 (Hazardous Materials Data), perform industrial ventilation surveys and collect samples.

907X0 Job Satisfaction

In an attempt to provide managers of the 907X0 career ladder with a better understanding of the factors which affect the job performance of airmen, an analysis of job satisfaction which reflects the perceptions individuals hold about their jobs is provided. Table 23 presents the job satisfaction indicators for the current personnel, as well as for a comparative sample of all medical AFSCs surveyed in 1983.

TABLE 22
PERCENT TIME SPENT PERFORMING DUTIES BY TAFMS GROUPS

	1-48		49-96		97-144		145-192		193-240		241+	
	907X0 (N=217)	908X0 (N=345)	907X0 (N=160)	908X0 (N=106)	907X0 (N=79)	908X0 (N=66)	907X0 (N=61)	908X0 (N=66)	907X0 (N=47)	908X0 (N=68)	907X0 (N=34)	908X0 (N=32)
A ORGANIZING AND PLANNING	6	5	8	8	11	9	17	14	17	18	22	21
B DIRECTING AND IMPLEMENTING	17	6	8	9	12	9	15	13	19	16	20	19
C INSPECTING AND EVALUATING	4	2	6	6	9	7	13	11	15	15	15	18
D TRAINING	3	3	6	6	11	10	13	8	10	10	9	8
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	2	12	24	10	20	11	16	11	15	9	12	9
F PERFORMING SUBSISTENCE INSPECTIONS	*	36	*	26	*	22	*	13	*	10	*	9
G PERFORMING SANITARY SURVEYS	1	14	*	13	1	10	*	9	*	8	*	8
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	*	10	1	9	*	7	*	6	*	5	*	4
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	*	2	*	3	*	4	*	6	*	3	3	1
J SUPPORTING ANIMAL RESEARCH PROGRAMS	*	1	*	2	*	3	*	2	*	1	*	*
K SUPPORTING MILITARY WORKING DOG PROGRAMS	*	*	*	*	*	*	*	*	*	*	*	*
L MONITORING WATER AND POLLUTION	29	*	9	*	9	*	5	*	4	*	4	*
M PERFORMING MEDICAL ZOOLOGY	*	1	*	1	*	1	*	*	*	*	*	*
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	31	8	30	6	22	7	16	6	15	4	10	3
O CONDUCTING RADIOLOGICAL HEALTH PROGRAMS	6	*	6	*	4	*	4	*	4	*	3	*
P PERFORMING BIOENVIRONMENTAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	*	*	*	*	*	*	*	*	*	*	*	*

* Less than 1 percent

NOTE: Columns may not add up to 100 percent due to rounding

FIGURE 2

DISTRIBUTION OF FIRST-ENLISTMENT 907X0 AND 908X0 PERSONNEL
ACROSS CAREER LADDER JOBS
(PERCENT MEMBERS RESPONDING)

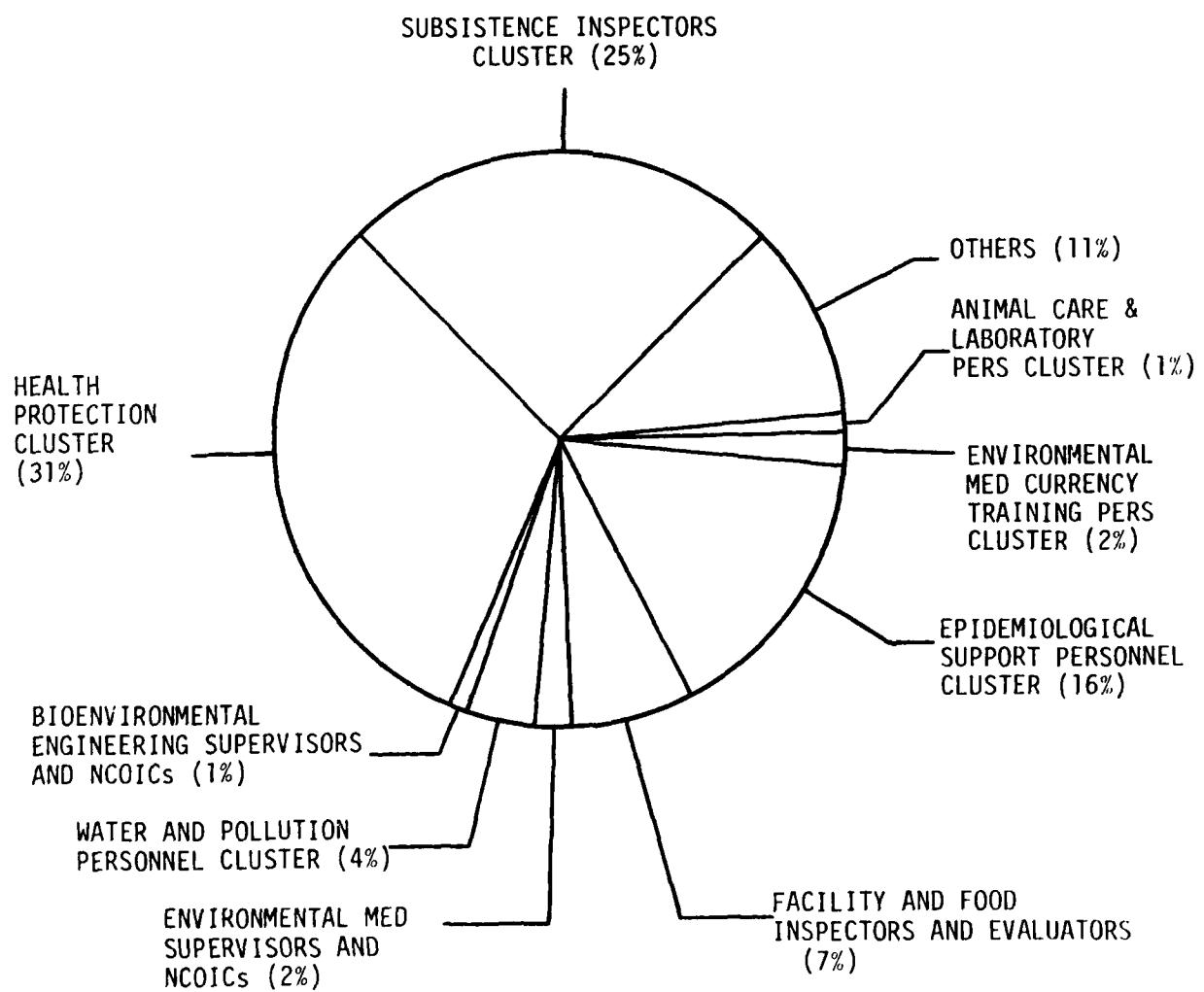


TABLE 23

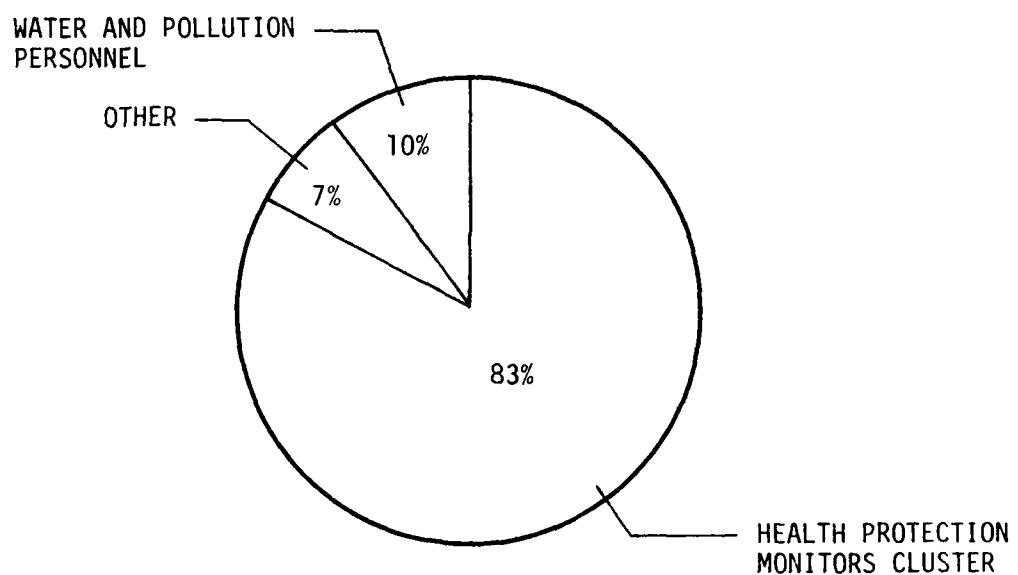
JOB INTEREST, PERCEIVED UTILIZATION OF TALENTS AND TRAINING, AND REENLISTMENT
INTENTIONS FOR TAFMS GROUPS
(PERCENT RESPONDING)

	FIRST ENLISTMENT (1-48 MONTHS TAFMS)			SECOND ENLISTMENT (49-96 MONTHS TAFMS)			CAREER (97+ MONTHS TAFMS)			
	907X0 (N=217)		908X0 (N=345)	SAMPLE* (N=639)	907X0 (N=160)		908X0 (N=106)	SAMPLE* (N=285)	907X0 (N=221)	
	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP
DULL	8	10	10	7	7	13	10	4	5	8
SO-SO	9	15	12	6	14	8	8	11	12	12
INTERESTING	82	75	78	87	72	81	87	83	80	80
NO RESPONSE	1	-	-	-	1	-	1	1	-	-
<u>MY JOB UTILIZES MY TALENTS:</u>										
NOT AT ALL OR VERY LITTLE	23	17	23	16	16	19	14	12	14	14
FAIRLY WELL OR BETTER	77	83	77	84	83	79	86	88	86	86
NO RESPONSE	-	-	-	-	1	2	-	-	-	-
<u>MY JOB UTILIZES MY TRAINING:</u>										
NOT AT ALL OR VERY LITTLE	13	11	14	18	15	18	13	13	15	15
FAIRLY WELL OR BETTER	86	89	86	82	84	80	87	86	85	85
NO RESPONSE	1	-	-	-	1	-	-	1	-	-
<u>REENLISTMENT INTENTIONS:</u>										
NO, OR PROBABLY NO	37	34	33	33	23	20	10	12	10	10
YES, OR PROBABLY YES	62	65	65	66	76	78	71	73	71	71
WILL RETIRE	1	1	2	1	1	2	19	15	19	19

* Comparative sample of medical career ladders surveyed in 1982 and 1983 included: 902X1, 918X0, 981X0, and 992X0 (N=1,307)

FIGURE 3

DISTRIBUTION OF FIRST-ENLISTMENT 907X0 PERSONNEL
ACROSS CAREER LADDER JOBS
(PERCENT MEMBERS RESPONDING)



In general, job satisfaction indicators for 907X0 personnel are equal to, or higher than, the comparative sample. All job satisfaction indicators for the first-enlistment personnel are equal or higher than those of the comparative sample. In view of the responses presented on Table 23, Bioenvironmental Engineering personnel generally are satisfied with their jobs (job interest and perceived utilization of talents and training). However, reenlistment intentions for the first and second enlistment groups are slightly lower for the current enlistment group (62 percent versus 65 percent, respectively, for first-enlistment current and sample groups).

908X0 First-Enlistment Personnel

To assess the pattern of change in jobs as a function of experience within the 908X0 career ladder, differences in tasks performed at various points of service were also analyzed. In the Environmental Medicine career ladder, no major deviations from the typical pattern of increasing time spent on supervisory tasks with increasing months TAFMS were noted (see Table 22). Junior airmen report spending greater percentages of their time on the more routine technical duties associated with the career ladder, such as subsistence inspections, administrative procedures, sanitation procedures, and epidemiological support.

As illustrated in Figure 4, first-enlistment personnel participate in a full range of activities related to 908X0 functions and are members of all the technically-oriented jobs. These first-enlistment personnel were examined based on tasks performed and various job satisfaction indices. Table 25 lists the most common tasks performed and reveals the diverse nature of their jobs. Most of the common tasks involve subsistence inspections, sanitation surveys and epidemiological support functions, such as preparing medical evaluations of on-base food service preparation facilities, monitoring INH patient treatment programs, maintaining individual TB control records, and conducting sexually transmitted diseases (STD) control.

908X0 Job Satisfaction

The 908X0 first-enlistment respondents were also examined on job satisfaction indicators (see Table 23), which include job interest, perceived utilization of talents and training and reenlistment intentions. Similar to the 907X0 analysis, 908X0 job satisfaction data are compared to a first-enlistment sample of all medical career ladders surveyed in 1983. When compared to the medical sample group, a slightly lower percentage of 908X0 first-enlistment personnel perceived their jobs as interesting (75 percent for current versus 78 for the comparative group). All other indicators, however, were equal to or higher for members of the current group than the comparative group. Considering the responses provided in Table 23, Environmental Medicine personnel generally are satisfied with their jobs.

TABLE 24

EXAMPLES OF TASKS COMMONLY PERFORMED BY 907XO
FIRST-ENLISTMENT (1-48 MONTHS) TAFMS GROUP

TASKS	PERCENT MEMBERS PERFORMING (N=217)
E225 COMPLETE AF FORMS 2757 (ILLUMINATION SURVEY DATA SHEET)	88
E253 DRIVE MILITARY MOTOR VEHICLES	86
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	85
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	85
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	85
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	85
N740 PERFORM NOISE SURVEYS	84
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	84
N738 PERFORM ILLUMINATION SURVEYS	83
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	82
N699 COLLECT AIR SAMPLES FROM INDUSTRIAL ENVIRONMENT	82
N700 COLLECT BREATHING ZONE OR PERSONAL AIR SAMPLES	81
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	80
N719 IDENTIFY HAZARDOUS NOISE AREAS	79
E232 COMPLETE AF FORMS 2764 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	79
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	78
N733 PERFORM BULK SAMPLE COLLECTION	77
L647 COLLECT POTABLE WATER SAMPLES FOR ANALYSES	74
E230 COMPLETE AF FORMS 2762 (LISTING OF INDUSTRIAL HYGIENE SAMPLE RESULTS)	74
N745 RECOMMEND CONTROLS FOR HAZARDOUS NOISE	74
N702 COLLECT DATA ON EQUIPMENT, AIRCRAFT, OR OTHER OPERATIONS WHICH PRODUCE NOISE	71
L659 PERFORM BACTERIOLOGICAL ANALYSES OF WATER BY MEMBRANE FILTER TECHNIQUES	68
E222 COMPLETE AF FORMS 2752 (ENVIRONMENTAL SAMPLING DATA)	67
L672 PERFORM pH DETERMINATIONS	65
N712 CONSTRUCT AND MAINTAIN INDUSTRIAL CASE FILES EXCEPT TAB "F"	63
L666 PERFORM CHLORINE DETERMINATIONS	60
E245 COMPLETE DD FORMS 686 (FLUORIDE/BACTERIOLOGICAL EXAMINATION OF WATER)	59

FIGURE 4
DISTRIBUTION OF FIRST-ENLISTMENT 908X0 PERSONNEL
ACROSS CAREER LADDER JOBS
(PERCENT MEMBERS RESPONDING)

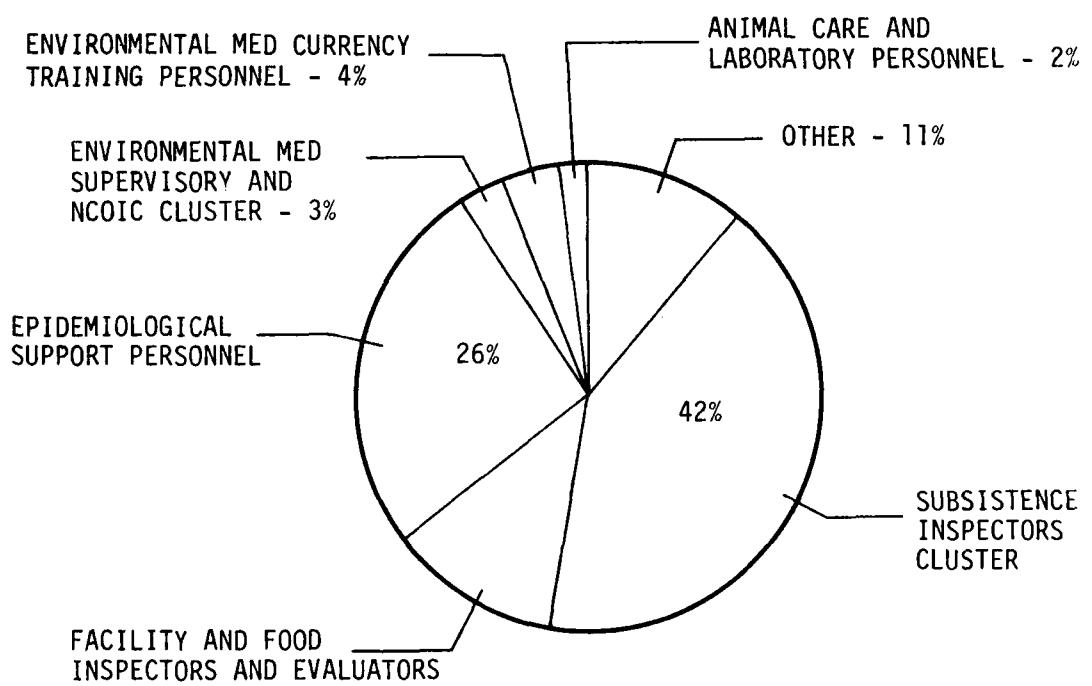


TABLE 25
EXAMPLES OF TASKS COMMONLY PERFORMED BY 908XC
FIRST-ENLISTMENT (1-48 MONTHS) TAFMS GROUP

TASKS	PERCENT MEMBERS PERFORMING (N=345)
E253 DRIVE MILITARY MOTOR VEHICLES	62
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	54
F299 INSPECT DAMAGED SUBSISTENCE ITEMS	50
F315 PERFORM CLASS 4 INSPECTIONS OF DAIRY PRODUCTS	49
F303 INSPECT SANITARY CONDITIONS OF CONTAINERS OR VEHICLES USED FOR SHIPMENT OF SUBSISTENCE ITEMS	48
F304 INSPECT SUBSISTENCE ITEMS TO BE OFFERED FOR REDUCED PRICE SALES IN COMMISSARIES	47
F375 PREPARE DD FORMS 1222 (REQUEST FOR AND RESULTS OF TESTS)	47
F319 PERFORM CLASS 4 INSPECTIONS OF MEAT	44
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	43
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	42
G412 PERFORM MEDICAL EVALUATIONS OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	40
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	39
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	39
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	38
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	37
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	37
H444 MONITOR INH PATIENT TREATMENT PROGRAMS	36
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	35
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CASE TREATMENT AND FOLLOW-UP	35
N708 CONDUCT HEARING PROTECTION TRAINING	35
E260 MAINTAIN ADMINISTRATIVE FILES	33
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	32
N737 PERFORM FIT TESTING OF HEARING PROTECTION DEVICES FOR PERSONNEL	29
E261 MAINTAIN APPOINTMENT LOGS	28

TRAINING ANALYSIS

Occupational survey data provide information which can assist training managers in the development, validation, and modification of training programs relevant to the needs of personnel working in their first assignment within a career ladder. Factors which can be used to evaluate training are the percent of first-job (1-24 months TAFMS) or first-enlistment (1-48 months TAFMS) members performing tasks, along with training emphasis and task difficulty ratings (as discussed in the Task Factor Administration section). These factors were used to examine the Specialty Training Standards (STS) and the Plans of Instruction (POI) for Courses 3ABR90730, Bioenvironmental Engineering Specialist, and 3ABR90830, Environmental Medicine Specialist. Training personnel from the School of Aerospace Medicine at Brooks AFB, Texas, matched inventory tasks to appropriate sections of the 90730 POI dated July 1983, 90830 POI dated 12 June 1984, and 90830 POI (taught by Army at Brooke Army Medical Center, Fort Sam Houston, Texas) dated 5 November 1984; 907X0 STS dated 1 May 1984 and 908X0 STS dated November 1983. A complete computer listing displaying the percent members performing, training emphasis ratings, and task difficulty ratings for each task statement, along with POI and STS matchings, was forwarded to the technical schools for their use in review of training documents.

Training Emphasis (907X0)

Training emphasis (TE) for each task in the inventory was assessed through ratings by 61 experienced Bioenvironmental Engineering NCOs. Data were processed to produce ordered listings of tasks in terms of recommended emphasis in training for first-term personnel. The average rating for all tasks included in the job inventory was 1.21, with a standard deviation of 1.84. Tasks receiving ratings of 3.05 or higher may be considered to have relatively high training emphasis. For a more complete description of these ratings, see the section on Task Factor Administration in the INTRODUCTION.

Examples of tasks rated highest in training emphasis are listed in Table 26 to show the types of tasks which have priority in training programs. As can be seen, tasks with the highest TE ratings are related to occupational health, water pollution, radiological health, and general administrative procedures. Overall, tasks in Table 26 with highest training emphasis are performed by 30 percent or more of the 907X0 first-job group (1-24 months), and the first-enlistment group (1-48 months), indicating resident technical training is generally appropriate.

Task Difficulty (907X0)

The relative difficulty of each task in the inventory was assessed through ratings of 33 experienced 907X0 NCOs. These tasks were processed to produce an ordered listing of all tasks in terms of their relative difficulty. Ratings were standardized to have an average of 5.0 with a standard deviation equal to 1.

TABLE 26
EXAMPLES OF TASKS RATED HIGHEST IN TRAINING EMPHASIS (907X0)

TASKS	PERCENT MEMBERS PERFORMING		
	TNG EMP*	TST JOB	ST ENL
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	7.54	86	84
N700 COLLECT BREATHING ZONE OR PERSONAL AIR SAMPLES	7.52	82	81
N720 INTERPRET PEL VALUES AND NOTATIONS	7.48	65	64
N699 COLLECT AIR SAMPLES FROM INDUSTRIAL ENVIRONMENT	7.39	83	82
N721 INTERPRET RESULTS OF AIR SAMPLE ANALYSES AND MAKE RECOMMENDATIONS	7.30	60	60
N740 PERFORM NOISE SURVEYS	7.07	86	84
N723 INTERPRET SHORT TERM EXPOSURE LIMIT (STEL) VALUES AND NOTATIONS	7.02	55	53
N754 SELECT OR CHECK CALIBRATION OF SAMPLING DEVICES USED IN DETECTING HAZARDOUS AGENTS	6.98	56	59
N712 CONSTRUCT AND MAINTAIN INDUSTRIAL CASE FILES EXCEPT TAB "F"	6.74	66	63
N719 IDENTIFY HAZARDOUS NOISE AREAS	6.74	81	79
N701 COLLECT CHEMICAL SAMPLES FROM INDUSTRIAL ENVIRONMENT	6.70	57	62
E232 COMPLETE AF FORMS 2764 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	6.69	81	79
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	6.59	87	85
E233 COMPLETE AF FORMS 2765 (INDUSTRIAL VENTILATION SURVEY PILOT TRAVERSE METHOD)	6.54	58	55
N726 INVESTIGATE POSSIBLE CHEMICAL HEALTH HAZARDS	6.52	55	57
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	6.51	80	78
E231 COMPLETE AF FORMS 2763 (INDUSTRIAL HYGIENE VENTILATION PRESURVEY)	6.48	59	59
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	6.44	84	80
L659 PERFORM BACTERIOLOGICAL ANALYSES OF WATER BY MEMBRANE FILTER TECHNIQUES	6.44	70	68
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	6.41	82	82

* Average TE = 1.21 High TE = 3.05 SD = 1.84

Those tasks listed in Table 27 and rated most difficult by 907X0 task difficulty (TD) raters are related to a variety of Bioenvironmental Engineering functions and involve management duties, radiological health, bioenvironmental support of aircraft and missile operations, and occupational health. These difficult tasks are performed by only a few first-term Bioenvironmental members. Most of these tasks are not performed by enough first-enlistment personnel to consider training in the initial skill training program. They are presented to show the range of tasks which are perceived to be difficult.

Training Emphasis (908X0)

Training emphasis (TE) for each task in the inventory was also assessed through ratings by 57 experienced Environmental Medicine NCOs. Data were also processed to produce ordered listings of tasks in terms of recommended emphasis in training for first-term enlisted personnel. The average rating for all tasks included in the job inventory was 1.56, with a standard deviation of 1.94. Tasks receiving ratings of 3.50 or higher may be considered to have relatively high training emphasis. For a more complete description of these ratings, see the section on Task Factor Administration in the INTRODUCTION.

Examples of tasks rated highest in training emphasis are listed in Table 28 to show the types of tasks which were recommended for priority in training programs. As can be seen, tasks with the highest TE ratings are related to subsistence inspections, sanitary surveys, epidemiological support and general administrative support procedures. Overall, tasks in Table 28, with the highest training emphasis are performed by 30 percent or more of the first-job group (1-24 months), and the first-enlistment group (1-48 months), again indicating basic resident technical training on these tasks is justified.

Task Difficulty (908X0)

The relative difficulty of each task in the inventory was also assessed through ratings of 57 experienced 908X0 NCOs. These tasks were processed to produce an ordered listing of all tasks in terms of their relative difficulty. Ratings were standardized to have an average of 5.0 with a standard deviation equal to 1.

Those tasks listed in Table 29 rated the most difficult by 908X0 task difficulty (TD) raters are related to a variety of Environmental Health functions and involve supervisory and management duties, performing laboratory and animal medical care, and supporting animal research. The management tasks listed in Table 29 are performed by only a few first-term Environmental Medicine personnel. Such managerial tasks are not performed by enough first-enlistment personnel to warrant training in initial skills training programs. They are displayed simply to illustrate the range of tasks which are perceived to be difficult.

TABLE 27

TASKS RATED HIGHEST IN TASK DIFFICULTY (907X0)

TASKS	TASK DIFF*	PERCENT MEMBERS PERFORMING		
		TST	2ND ENL	3RD ENL
D191	DEVELOP RESIDENT COURSE OR CAREER DEVELOPMENT COURSE (CDC) CURRICULUM MATERIALS	8.04	1	3
B81	DIRECT MEDICAL EVALUATION OF RADIOLOGICAL INCIDENCES OR DISASTERS	7.70	4	7
0762	COMPUTE RADIATION INTENSITY PROBLEMS	7.68	9	9
0773	IDENTIFY HAZARDS RESULTING FROM LASER OPERATIONS	7.67	2	6
0785	RECOMMEND CONTROLS FOR LASER HAZARDS	7.66	4	6
A8	DEVELOP MOBILITY PLANS	7.64	2	3
B82	DIRECT MEDICAL PORTION OF INSTALLATION RESTORATION PROGRAM	7.60	1	3
C156	INVESTIGATE COMPENSATION CLAIMS	7.47	6	15
A33	PREPARE UNIT EMERGENCY PLANS	7.45	3	6
C121	EVALUATE CIVIL ENGINEERING DRAWINGS FOR MEDICAL ASPECTS OF NEW OR MODIFIED CONSTRUCTION	7.42	2	5
B75	DIRECT IONIZING RADIATION SAFETY PROGRAMS	7.40	6	7
C142	EVALUATE REQUESTS FOR ENVIRONMENTAL DIFFERENTIAL PAY	7.39	4	10
B53	ADVISE ON CONTRACTING WITH CIVILIAN FIRMS	7.36	1	8
A29	PREPARE CIVILIAN POSITION DESCRIPTIONS	7.32	2	2
B69	DIRECT INDUSTRIAL HYGIENE SURVEILLANCE OR WORKPLACES	7.30	27	42
C134	EVALUATE LABORATORY REPORTS ON RESEARCH ANIMALS	7.29	0	1
N724	INVESTIGATE ENVIRONMENTAL DIFFERENTIAL PAY OCCUPATIONS	7.20	6	16
D203	PLAN INSTRUCTIONAL SYSTEMS DEVELOPMENT PROCESSES	7.19	1	0
0769	EVALUATE OPERATIONAL PROCEDURES IN RADIATION EXPOSURE AREAS	7.19	7	16
C168	WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	7.17	34	46
A23	PLAN NEW OR IMPROVED METHODS FOR CONTROL OF HEALTH HAZARDS	7.16	14	18
0768	DIRECT THE DISPOSAL OF RADIOACTIVE WASTE	7.13	6	6
C778	INVESTIGATE SUSPECTED R.F. EXPOSURES	7.12	14	22
0784	PERFORM RADIO FREQUENCY BASELINE SURVEYS	7.08	16	23
B70	DIRECT INDUSTRIAL VENTILATION SURVEILLANCE PROGRAMS	7.06	23	35
C122	EVALUATE COLLECTED DATA FOR CONTRACT COMPLIANCE	7.04	2	2
0759	COLLECT DATA ON RADIATION ACCIDENTS	7.00	17	15

TABLE 28

EXAMPLES OF TASKS RECEIVING HIGHEST IN TRAINING EMPHASIS RATINGS (908X0)

TASKS	PERCENT MEMBERS PERFORMING		
	TNG EMP*	TST JOB	TST ENL
F365 PERFORM CONSUMER LEVEL QUALITY AUDIT PROGRAM (COLEQUAP) INFECTIONS	7.00	37	36
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATIONS FACILITIES	6.88	42	43
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	6.88	53	54
F319 PERFORM CLASS 4 INSPECTIONS OF MEAT	6.86	45	44
F372 PREPARE AF FORMS 2063 (INDIVIDUAL COLEQUAP REPORT)	6.61	36	35
F318 PERFORM CLASS 4 INSPECTIONS OF FRUITS OR VEGETABLES	6.54	45	44
F315 PERFORM CLASS 4 INSPECTIONS OF DAIRY PRODUCTS	6.44	51	49
F322 PERFORM CLASS 4 INSPECTIONS OF POULTRY	6.44	42	41
F314 PERFORM ALFOODACT SUBSISTENCE INSPECTIONS	6.33	31	33
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	6.32	35	37
F321 PERFORM CLASS 4 INSPECTIONS OF OPERATIONAL RATIONS	6.25	25	25
F317 PERFORM CLASS 4 INSPECTIONS OF FISH OR SHELLFISH	6.19	36	36
E219 COMPLETE AF FORMS 2062 (COLEQUAP AUDIT)	6.16	30	30
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	6.16	34	38
F316 PERFORM CLASS 4 INSPECTIONS OF EGGS	6.12	44	42
F353 PERFORM CLASS 8 INSPECTIONS OF MEAT	6.07	41	40
F375 PREPARE DD FORMS 1222 (REQUEST FOR AND RESULTS OF TEST)	6.00	50	47
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	5.98	36	39
F320 PERFORM CLASS 4 INSPECTIONS OF MISCELLANEOUS SUBSISTENCE PRODUCTS	5.96	43	44
F388 SAFEGUARD FOOD INSPECTION STAMPS	5.95	47	47
E243 COMPLETE DD FORMS 1608 (UNSATISFACTORY MATERIAL REPORT)	5.88	21	22
F310 MAINTAIN VENDOR QUALITY HISTORY RECORDS	5.86	40	39
F352 PERFORM CLASS 8 INSPECTIONS OF FRUITS OR VEGETABLES	5.84	41	40
F355 PERFORM CLASS 8 INSPECTIONS OF POULTRY	5.84	36	36
F361 PERFORM CLASS 9 INSPECTIONS OF OPERATIONAL RATIONS	5.84	30	30

* Average TE = 1.56 High TE = 3.50 SD = 1.94

TABLE 29

TASKS RATED HIGHEST IN TASK DIFFICULTY (908X0)

TASKS	TASK DIFF* ENL	1ST ENL	
		TASK DIFF* ENL	1ST ENL
D191 DEVELOP RESIDENT COURSE OR CAREER DEVELOPMENT COURSE (CDC) CURRICULUM MATERIALS	8.51	0	
C166 REVIEW PROPOSALS FOR MEDICAL RESEARCH	7.91	0	
J569 CONDUCT PILOT TOXICITY STUDIES	7.66	0	
I507 PERFORM COMPLETE BLOOD COUNTS	7.44	0	
A8 DEVELOP MOBILITY PLANS	7.44	2	
I510 PERFORM INTRAVENOUS CYSTOGRAMS	7.40	1	
A33 PREPARE UNIT EMERGENCY PLANS	7.32	1	
I517 PERFORM UNASSISTED MINOR SURGERY ON ANIMALS	7.24	0	
J573 CONSTRUCT COMPUTER INQUIRIES	7.22	0	
I459 ADMINISTER BLOOD TRANSFUSIONS TO ANIMALS	7.20	0	
N726 INVESTIGATE POSSIBLE CHEMICAL HEALTH HAZARDS	7.11	4	
A22 PLAN LAYOUT OF FACILITIES	7.09	0	
J579 DEVELOP RESEARCH ANIMAL PROCUREMENT SPECIFICATIONS	7.07		
I511 PERFORM INTRAVENOUS POLYGRAMS	7.06		
J576 DESIGN SPECIALIZED ANIMAL EQUIPMENT, SUCH AS MECHANICAL RESTRAINTS OR CRATES	7.05		
C165 REVIEW PLANS FOR RESEARCH ANIMAL CARE OR HOUSING FACILITIES	6.98		
D189 DETERMINE RESIDENT COURSE TRAINING REQUIREMENTS	6.98		
J592 INITIATE PROCUREMENT ACTIONS TO OBTAIN RESEARCH ANIMALS	6.95		
J582 ESTABLISH BREEDING PROGRAMS FOR LABORATORY ANIMALS	6.93		
A29 PREPARE CIVILIAN POSITION DESCRIPTIONS	6.90	2	
N725 INVESTIGATE POSSIBLE BIOLOGICAL HEALTH HAZARDS	6.88	2	
D187 DESIGN MEDICAL/CHEMICAL TRAINING	6.87	2	
C168 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	6.85	4	
C118 CONDUCT STAFF ASSISTANCE VISITS OTHER THAN WITHIN THE AFCOMS COMPLEX	6.85		
A23 PLAN NEW OR IMPROVED METHODS FOR CONTROL OF HEALTH HAZARDS	6.84	1	
0762 COMPUTE RADIATION INTENSITY PROBLEMS	6.84	8	
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (O), OR STANDING OPERATING PROCEDURES (SOP)	6.79	0	
A39 REVISE OR EDIT DIRECTIVES, SUCH AS MANUALS, REGULATIONS, SUPPLEMENTS, OR OTHER PUBLICATIONS	6.79	25	
	6.78	9	

Average TD = 5 High TD = 6 SD = 1

Specialty Training Standards (STS)

The 907X0 and 908X0 Specialty Training Standards were reviewed. Senior NCOs from each specialty matched job inventory tasks to specific paragraphs of the related STSs. These experienced senior NCOs were assigned to the School of Aerospace Medicine, Brooks AFB, TX. Each STS paragraph is analyzed to determine the adequacy of coverage by inventory tasks. Task difficulty (TD) and training emphasis (TE) data are available to assist in making various decisions about the adequacy of the STS. There is no pattern of great overlap identified between the two specialties involved in this study in the technical aspects of their job; therefore, the two STSs are distinct. As would be expected when analyzing two distinct STSs based on a common task list, there are a rather large number of unreferenced tasks.

Specialty Training Standard (907X0). A review of STS 907X0, dated 1 May 1984, was made comparing STS items to survey data. STS paragraphs containing general information or knowledge requirements were not evaluated. The 907X0 STS organizes career ladder duties into subdivision by specific activities.

Survey data support the present STS. Most paragraphs of the STS have tasks matched, the exception being paragraphs 8A-8E, Anatomy and Physiology. Although some subparagraphs were not matched, it was stated by career field NCOs that subparagraphs were so related to each other that to match tasks to every one would not prove useful. Training personnel should review subparagraphs.

There are 649 tasks not matched to the 907X0 STS. Many of these unreferenced tasks are related to the 908X0 career ladder and are not expected to match the Bioenvironmental Engineering 907X0 career field. Of the unreferenced tasks, only 25 are rated high in training emphasis. Of those 25 tasks, 22 are performed by 20 percent or more of the first-term members. A list of those tasks is presented in Table 30. A majority of those tasks are related to occupational health programs, water and pollution, and administrative procedures. Nonreferenced tasks performed by 20 percent or more first-enlistment airmen should be reviewed by training management personnel for possible coverage in the STS.

Specialty Training Standard (908X0). The STS for AFSC 908X0 dated November 1983 was reviewed to determine if it adequately supports the career ladder. Paragraphs containing general information and knowledge were not evaluated. Each paragraph of the STS was analyzed based on the survey data.

Survey data supports the present STS. Most paragraphs of the STS covering technical aspects have tasks matched, the exception is the paragraph which covers publication management. Training personnel should review paragraph 6 and all unmatched subparagraphs. There are 345 tasks not referenced to the 908X0 STS. Many of these nonreferenced tasks are related to the 907X0 career field and are not expected to match areas of the 908X0, Environmental Medicine, STS. Of the 345 unreferenced tasks, only 31 tasks are rated average or above in training emphasis, of which 11 had high TE ratings. Of these 11

TABLE 30

EXAMPLES OF TASKS NOT REFERENCED TO STS 907X0 WITH HIGH TRAINING EMPHASIS

TASKS NOT REFERENCED	TNG EMP*	PERCENT MEMBERS PERFORMING		TASK DIFF**
		TST JOB	TST ENL	
N748 RESEARCH TEXTBOOKS, MANUALS, OR OTHER PUBLICATIONS TO IDENTIFY CHARACTERISTICS OF CONTAMINANTS	6.39	62	62	6.18
N722 INTERPRET RESULTS OF CHEMICAL SAMPLE ANALYSES AND MAKE RECOMMENDATIONS	6.33	41	41	6.80
N717 DETERMINE NECESSITY OF HEARING PROTECTION BY PERSONNEL COMPLETE DD FORMS 686 (FLUORIDE/BACTERIOLOGICAL EXAMINATION OF WATER)	5.41	59	59	4.98
E245 COLLECT ICE SAMPLES FOR BACTERIOLOGICAL ANALYSES	5.18	57	57	3.26
L646 PERFORM MERCURY SPILL CLEANUPS	5.02	49	50	3.07
L668 PERFORM PCB TRANSFORMER SAMPLING	5.00	33	37	5.53
C143 EVALUATE REQUESTS FOR ISSUE OF HAZARDOUS MATERIALS	4.85	36	39	4.70
L669 PERFORM PCB SOIL SAMPLING	4.82	27	30	6.07
L657 MONITOR PCB SPILL CLEANUPS	4.69	16	22	5.16
N755 SURVEY FOR AIR POLLUTION SOURCES	4.66	31	27	6.27
E253 DRIVE MILITARY MOTOR VEHICLES	4.62	29	25	5.97
E239 COMPLETE AF FORMS 708 (SWIMMING POOL OPERATIONAL LOG)	4.41	89	86	2.52
L681 REVIEW WASTE DISPOSAL PROCEDURES IN INDUSTRIAL CASE FILES	4.38	44	45	3.20
N747 RECOMMEND THE APPROPRIATE DISPOSITION OF PERSONNEL EXPOSED TO INDUSTRIAL HAZARDS	4.03	22	25	4.84
L655 MONITOR FISH KILLS	3.98	23	23	6.39
L670 PERFORM PCB SPILL CLEANUPS	3.90	15	15	6.54
E265 MAINTAIN MILITARY MOTOR VEHICLES	3.79	10	11	5.74
L649 CONSULT WITH CE ENVIRONMENTAL COORDINATOR	3.69	55	59	3.44
C168 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	3.47	32	35	4.33
D186 DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	3.46	38	34	7.17
C155 INVESTIGATE ACCIDENTS OR INCIDENTS	3.36	11	11	4.84
N742 PERFORM PREGNANT WORKER EVALUATIONS	3.20	30	24	6.67
E241 COMPLETE DD FORMS 1149 (REQUISITION AND INVOICE/SHIPPING DOCUMENT)	3.15	25	25	5.40
B70 DIRECT INDUSTRIAL VENTILATION SURVEILLANCE PROGRAMS	3.12	23	30	3.68
	3.08	24	23	7.06

* Average TE = 1.21 High TE = 3.05 SD = 1.84
 **Average TD = 3 High TD = 6 SD = 1

tasks rated high in TE, 10 are performed by 20 percent or more of the first-enlistment members. A list of these tasks is provided in Table 31. A majority of these tasks are related to subsistence inspections, sanitation surveys, general administrative procedures, and occupational health. Nonreferenced tasks performed by 20 percent or more of the first-enlistment personnel should be reviewed by training personnel and a decision should be made as to whether these tasks should be covered by the STS.

Plan of Instruction (POI) 3ABY90730

This 6.5-week Bioenvironmental Engineering Course is a basic course intended to train personnel new to this career ladder. Course of instruction includes communication security, fundamentals of science, anatomy and physiology, drinking water, waste water management, solid waste management, environmental pollution, occupational health, atmospheric sampling, respiratory protection, ventilation, illumination, ionizing radiation, noise, and medical readiness.

The current plan of instruction for Course 3ABY90730 (dated 26 July 1982) was examined. Experienced personnel from the School of Aerospace Medicine, Brooks AFB TX, matched inventory tasks to criterion objectives (CO) of the course. Using task difficulty ratings, training emphasis ratings, and percent of first-enlistment performing information, an evaluation of the adequacy of the present course was made. The complete results of matching tasks to POI objectives are presented in a separate computer printout (FCPRT3) within the training extract. These matchings provide data which can be used as a basis for considering which items should be taught in the basic course, based on tasks performed by personnel during their first job (1-24 months TAFMS) and first enlistment (1-48 months TAFMS).

The occupational survey data basically supports all COs which had tasks matched to them. Only one CO did not have tasks identified as related to them (Anatomy and Physiology, paragraphs V through VC). Other unmatched objectives were breakouts of matched objectives and not being matched was a function of the extent of subdivision of the objectives.

Six hundred and forty-six tasks were not referenced to the POI. A majority of these tasks were related to the 908X0 career ladder, as tasks for both career ladders were included in a single inventory booklet. Some nonreferenced tasks related to the 907X0 career ladder are taught in an advanced course or OJT, and some are supervisory functions. Examples of nonreferenced tasks in descending order of TE with 30 percent of first-enlistment personnel are presented in Table 32. Although several of these tasks are performed by first-enlistment personnel, only 20 tasks are rated high in training emphasis and only 7 of these tasks are performed by 30 percent or more of first-termers. Training personnel are encouraged to review tasks which are related but not referenced to POI 90730 to determine where it is most appropriate to train for these tasks (basic course, OJT, other form of training), or if these tasks should be covered in any form of structured training.

TABLE 31

EXAMPLES OF TASKS NOT REFERENCED TO STS 908X0 WITH ABOVE AVERAGE TE

TASKS NOT REFERENCED	PERCENT MEMBERS PERFORMING			TASK DIFF**
	TNG EMP*	TST JOB	TST ENL	
F388 SAFEGUARD FOOD INSPECTION STAMPS	5.95	47	47	3.40
E243 COMPLETE DD FORMS 1608 (UNSATISFACTORY MATERIAL REPORT)	5.88	21	22	4.92
E242 COMPLETE DD FORMS 1232 (QUALITY ASSURANCE REPRESENTATIVE'S CORRESPONDENCE)	5.81	36	33	4.13
N707 CONDUCT FOOD HANDLING AND PERSONAL HYGIENE TRAINING FOR FOOD SERVICE PERSONNEL	5.35	25	26	5.79
G406 PERFORM MEDICAL EVALUATIONS OF MOBILE FOOD VENDING OPERATIONS	4.70	28	28	3.83
F308 MAINTAIN FEDERAL OR MILITARY SUBSISTENCE SPECIFICATION LISTS OR FILES)	4.53	24	26	3.94
N730 MONITOR RESPIRATORY PROTECTION PROGRAMS	4.46	20	22	6.08
E252 DRIVE MILITARY MOTOR VEHICLES	4.35	60	62	2.04
F381 PREPARE SF FORMS 364 (REPORT OF DISCREPANCY)	4.35	6	6	5.15
F385 REVIEW AF FORMS 93 (FOOD QUALITY REPORT) FORMS OF CUSTOMER COMPLAINT	4.04	25	26	3.81
E261 REVIEW OCCUPATIONAL HEALTH COMPUTER PRODUCTS, SUCH AS OCCUPATIONAL CODES	3.91	17	20	5.23
N706 COMPLETE SF FORMS 513 (PATIENT CONSULTATION REPORT)	2.95	18	20	4.78
E257 INITIATE AF FORMS 2766 (CLINICAL OCCUPATIONAL HEALTH EXAMINATION REQUIREMENTS)				
D186 DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	2.93	10	10	5.28
E313 MONITOR CUSTOMER COMPLAINTS WITHIN AF COMS COMPLEX	2.79	6	8	4.19
E252 DISTRIBUTE CURRENT SHOP CODE LISTS TO CBPO OR CPO	2.75	26	25	4.27
N717 DETERMINE NECESSITY OF HEARING PROTECTION BY PERSONNEL	2.56	12	14	3.42
N746 RECOMMEND PERSONAL PROTECTIVE DEVICES	2.44	5	10	5.34
B72 DIRECT INSPECTIONS OF STORAGE FACILITIES OTHER THAN FOOD STORAGE	2.33	11	12	5.13
D176 CONDUCT OUT	2.26	6	5	4.26
E199 MAINTAIN STUDY REFERENCE FILES	2.21	11	13	5.28
N716 DETERMINE AND RECOMMEND CONTROL METHODS TO PROTECT WORKERS FROM HAZARDS	2.14	4	4	3.98
	2.09	6	7	6.26

* Average TE = 1.56 High TE = 3.50 SD = 1
 ** Average TD = 5 High TD = 6 SD = 1

TABLE 32
EXAMPLES OF TASKS NOT REFERENCED TO POI 3ABY90730

TASKS NOT REFERENCED	TNG EMP*	PERCENT MEMBERS PERFORMING		TASK DIFF**
		TST JOB	TST ENL	
L668 PERFORM MERCURY SPILL CLEANUPS	5.00	33	37	5.53
L671 PERFORM PCB TRANSFORMER SAMPLING	4.85	36	39	4.70
C143 EVALUATE REQUESTS FOR ISSUE OF HAZARDOUS MATERIALS	4.82	27	30	6.07
L669 PERFORM PCB SOIL SAMPLING	4.69	16	22	5.16
E254 ESTABLISH IEX CODES 8 AND 9 FOR CHEMICALS	4.67	26	26	6.74
L657 MONITOR PCB SPILL CLEANUPS	4.66	31	27	6.27
N703 COLLECT OCCUPATIONAL ILLNESS OR INJURY DATA	4.48	28	23	5.30
E253 DRIVE MILITARY MOTOR VEHICLES	4.41	89	86	2.52
L670 PERFORM PCB SPILL CLEANUPS	3.79	10	11	5.74
E265 MAINTAIN MILITARY MOTOR VEHICLES	3.69	55	59	3.44
E271 PREPARE REQUISITIONS FOR MEDICAL SUPPLIES	3.53	12	13	4.25
E275 RESEARCH TECHNICAL PUBLICATIONS	3.53	7	16	4.93
C168 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	3.46	38	34	7.17
E270 PREPARE REQUISITIONS FOR LOCAL PURCHASES	3.38	12	14	4.80
E272 PREPARE REQUISITIONS FOR NONMEDICAL SUPPLIES	3.36	15	17	4.42
C155 INVESTIGATE ACCIDENTS OR INCIDENTS	3.20	29	24	6.67
N742 PERFORM PREGNANT WORKER EVALUATIONS	3.15	25	25	5.40
E241 COMPLETE DD FORMS 1149 (REQUISITION AND INVOICE/SHIPPING DOCUMENT)	3.12	23	30	3.68
E373 PREPARE REQUISITIONS FOR TECHNICAL PUBLICATIONS	3.12	8	12	4.24
B70 DIRECT INDUSTRIAL VENTILATION SURVEILLANCE PROGRAMS	3.08	24	23	7.06
B64 DIRECT BIOLOGICAL SURVEILLANCE OF DRINKING WATER	3.02	32	29	5.30
C169 EVALUATE TOXICOLOGICAL EXPOSURE REPORTS	3.02	6	5	6.36
E274 RESEARCH SUPPLY CATALOGS	2.95	15	18	3.93
N709 CONDUCT IONIZING AND NON-IONIZING HAZARD TRAINING	2.93	5	5	6.50
B69 DIRECT INDUSTRIAL HYGIENE SURVEILLANCE OF WORKPLACES	2.90	29	27	7.30
E256 INITIATE AF FORMS 2753 (RADIOLOGICAL SAMPLING DATA)	2.88	16	18	4.80
C782 MAKE RECOMMENDATIONS OF SUSPECTED R.F. EXPOSURES	2.87	2	5	6.84
B104 SCHEDULE EQUIPMENT REPAIRS AND CALIBRATIONS	2.84	20	25	4.00
N710 CONDUCT OCCUPATIONAL HEALTH AND SAFETY TRAINING	2.84	2	3	5.54

* Average TE = 1.56 High TE = 3.50 SD = 1.94
**Average TD = 5 High TD = 6 SD = 1

Plan of Instruction (POI) 3ABY90830

The initial training program for the Environmental Medicine personnel is divided into two courses: Veterinary-related course (8 weeks in length taught at Fort Sam Houston by the Army) and Environmental Medicine - 3ABY90830 (6 weeks in length, and taught at School of Aerospace Medicine, Brooks AFB). Both of these courses make up a basic training program intended to train personnel new to this career ladder. Instructions include subsistence inspections of foods, food establishments, and food service facilities; conducting periodic environmental health surveys; collecting and compiling epidemiological and occupational health data; evaluating health programs; and inspecting food facilities processing, serving, and storing food.

The current plans of instruction for initial training of DAFSC 908X0 respondents were examined. Based on the assistance from experienced technical school subject-matter specialists, a matching of inventory tasks to the POI was accomplished, and computer products were generated displaying the results of the matching process. Data included TE and TD ratings, percent members performing for first-job (1-24 months TAFMS) and first-enlistment (1-48 months TAFMS) personnel.

Basic Course 90830 (Fort Sam Houston)

The occupational survey data supported a majority of the course objectives for the 90830 course taught at the Academy of Health Sciences at Fort Sam Houston. Some COs did not have tasks identified as relating to them. Some of these areas may be viewed by training personnel as relating to knowledge. A complete list of the objectives which had no tasks relating to them are as follows:

CO

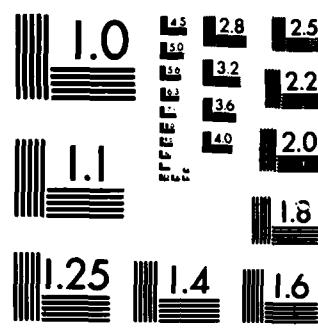
- 81-500-001 - Veterinary food inspector responsibilities
- 81-500-002 - Posting procedures
- 81-500-003 - Computing inspection date
- 81-500-004 - Selecting frequencies for Veterinary to read Standards of Conduct
- 81-500-005 - Selecting category of Veterinary food inspection
- 81-500-006 - Selecting agencies involved in the procurement
- 81-500-011 - Identifying the appropriate DPSC-SIM and subsection
- 81-500-012 - Determining food temperatures
- 81-500-015 - Identifying sources of food items
- 81-500-019 - Identifying acceptable Food and Drug Administration labels
- 81-500-025 - Identifying DOD food inspection stamps
- 81-500-026 - Identifying nonconformance food inspection situations

AD-A163 212 BIODENIRONMENTAL ENGINEERING AND ENVIRONMENTAL MEDICINE 2/2
CAREER LADDERS (AFS 907X0 AND 908X0)X(U) AIR FORCE
UNCLASSIFIED
OCCUPATIONAL MEASUREMENT CENTER RANDOLPH AFB TX DEC 85
F/A 6/5 MI

UNCLASSIFIED

F/G 6/5 NL

END
FINED
24
474



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

- 81-500-030 - Identifying military insanitary conditions of storage situation involving subsistence
- 81-500-033 - Selecting responsibilities of the Veterinary food inspection specialist at a Naval/Marine Corps installation
- 81-500-037 - Completing 91R10 tasks

These unmatched objectives involve 31 hours of training. Training personnel should review the above listed objectives to determine if there are tasks which should be matched to these objectives which were either omitted or inaccurately matched. After a thorough review and complete understanding of the unmatched objectives, a decision should be made as to whether those portions of the course should be taught to Air Force personnel.

Basic Course 3ABY90830 (Brooks AFB TX)

This 6-week Environmental Medicine Course is a continuation of the training necessary to perform the tasks and duties required of beginning environmental medicine personnel. The 3-skill level is awarded upon completion of this training course. The current plan of instruction for Course 3ABY90830, dated 12 June 1984, was examined using tasks matched by experienced personnel from the School of Aerospace Medicine, Brooks AFB TX, to criterion objectives (CO). This course was also reviewed for appropriateness of instruction as indicated by tasks performed by survey respondents. A complete printout of the results of the matching of tasks to POI objectives is provided in FCPRT6 within the training extract.

Data provided by these matchings can be used as a basis for considering what items should be taught in the basic course, based on tasks performed by entry level personnel. The occupational survey data support the course objectives (CO) which had tasks matched to them. All technical-related COs have tasks matched to them. The only unmatched objectives are subdivisions of matched objectives. Subject-matter specialists indicated this was a matter of the extent of the subdivision and further matching would provide no more useful information.

Four hundred and seventy-eight tasks were not referenced to the two 90830 POIs. Most of these tasks are related to the 907X0 career field. While other nonreferenced tasks may be taught in advanced courses or OJT and some are supervisory functions. Examples of related tasks performed by 30 percent or more of the first-enlistment personnel are presented in Table 33. Although 31 of these tasks have high TE ratings, only 14 are performed by 30 percent or more first-enlistment personnel. Training personnel are encouraged to review tasks related, but not referenced, to these POIs to determine whether they should be included in the course or not.

TABLE 33
EXAMPLES OF TASKS NOT REFERENCED TO POI 3ABY90830

TASKS NOT REFERENCED	TNG EMP*	PERCENT MEMBERS PERFORMING			TASK DIFF**
		TST JOB	TST ENL	TST	
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	6.88	42	43	5.65	
F314 PERFORM ALFOODACT SUBSISTENCE INSPECTIONS	6.33	31	33	4.41	
E243 COMPLETE DD FORMS 1608 (UNSATISFACTORY MATERIAL REPORT)	5.88	21	22	4.92	
E242 COMPLETE DD FORMS 1232 (QUALITY ASSURANCE REPRESENTATIVE'S CORRESPONDENCE)					
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	5.81	36	33	4.13	
F271 PREPARE AF FORMS 1553 (NEW WEIGHT EXAMINATION RECORD)	5.72	38	39	5.44	
F284 ANALYZE FOODS FOR POSSIBLE CONTAMINATION	5.56	41	39	4.41	
F362 PERFORM CLASS 9 INSPECTIONS OF POULTRY	5.54	43	42	5.63	
F376 PREPARE DD FORMS 1234 (REPORT OF INSPECTION OF SUBSISTENCE PRODUCTS)	5.53	31	29	4.67	
N707 CONDUCT FOOD HANDLING AND PERSONAL HYGIENE TRAINING FOR FOOD SERVICE PERSONNEL	5.44	33	32	4.31	
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	5.35	25	26	5.79	
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	5.28	36	38	4.22	
G416 PERFORM TESTS TO INDICATE SANITARY CONDITION OF UTENSILS OR EQUIPMENT	5.16	32	34	5.40	
G413 PERFORM MEDICAL EVALUATIONS OF SOFT SERVE ICE CREAM OR MACHINES	5.07	27	28	4.31	
F324 PERFORM CLASS 5 INSPECTIONS OF EGGS	4.93	17	19	4.47	
F311 MAKE RECOMMENDATIONS TO ACCOUNTABLE OFFICER BASED ON CONDITION OF GOODS	4.91	25	25	4.82	
G412 PERFORM MEDICAL EVALUATIONS OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	4.84	37	38	4.93	
G406 PERFORM MEDICAL EVALUATIONS OF ON-BASE DORMITORIES AND ON-BASE FAMILY HOUSING	4.84	36	40	4.35	
F300 INSPECT INFLIGHT MEALS	4.54	13	18	4.46	
	4.49	24	22	4.39	

* Average TE = 1.56 High TE = 3.50 SD = 1.94
**Average TD = 5 High TD = 6 SD = 6

ANALYSIS OF CONUS VERSUS OVERSEAS GROUPS

A comparison was made of the tasks performed and the background data for DAFSC 90750 respondents assigned CONUS versus those in overseas locations and 90850 respondents assigned CONUS versus those assigned to overseas locations. Comparisons between the functions performed and background data of airmen assigned CONUS versus those assigned overseas can provide useful information for trainers and managers.

DAFSC 90750 CONUS versus Overseas. An analysis of task performance differences between the 234 AFSC 907X0 5-skill level incumbents assigned within CONUS and the 106 5-skill level incumbents stationed overseas reveals little or no difference between the jobs performed. They are performing basically the same tasks and are spending similar amounts of time doing so. The average number of tasks performed by these groups are 84 for CONUS and 84 for the overseas group.

DAFSC 90850 CONUS versus Overseas. An analysis of task performance differences between the 280 AFSC 908X0 5-skill level incumbents assigned within CONUS and the 69 5-skill level incumbents stationed overseas reveals very few differences between these two groups. CONUS members perform an average of 84 tasks versus the overseas group performing an average of 102 tasks. Subsistence inspections were slightly more common for overseas personnel than for the CONUS group (36 percent versus 27 percent members performing, respectively). Minor task differences were also noted. Table 34 presents examples of those tasks, showing the greatest difference in percent members performing between 90850 CONUS and 90850 overseas personnel.

ANALYSIS OF MAJOR COMMAND GROUPS

In addition to examining the job structure of the Bioenvironmental Engineering and the Environmental Medicine career ladders, how personnel work within various commands were also examined. For both 907X0 and 908X0 personnel, AAC, USAFE, AFLC, AFSC, ATC, MAC, PACAF, SAC, TAC, and SPACECMD made up 99 percent of the overall manning and survey sample.

AFSC 907X0 Major Command Analysis. A thorough examination of field data to highlight differences, if any, in jobs across major commands reveals no major differences in jobs performed by 907X0 Bioenvironmental Engineering personnel across major commands. Only a slight difference exists with those who are assigned to the technical school as they are more involved with training.

AFSC 908X0 Major Command Analysis. By and large, the jobs performed by the 908X0 major command groups are very similar and primarily involve subsistence, food, and food serving facilities inspections. The notable exceptions

TABLE 34
TASKS WHICH BEST DIFFERENTIATE BETWEEN 908X0 CONUS AND OVERSEAS GROUPS
(PERCENT MEMBERS PERFORMING)

TASKS	CONUS	OVERSEAS	DIFFERENCE
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	38	63	25
I318 PERFORM CLASS 4 INSPECTIONS OF FRUITS AND VEGETABLES	38	58	20
G422 PREPARE WRITTEN REPORTS OF INSPECTIONS OF BASE FOOD SERVING FACILITIES	36	54	18
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	40	57	17
F315 PERFORM CLASS 4 INSPECTIONS OF DAIRY PRODUCTS	41	58	17
G412 PERFORM MEDICAL EVALUATION OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	40	57	17
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	45	61	16
H444 MONITOR INH PATIENT TREATMENT PROGRAMS	35	49	14
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD STORAGE FACILITIES	41	55	14
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	33	46	13
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	41	53	12
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	41	53	12
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	53	64	11
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	39	49	10
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	41	51	10

are AFSC and ATC who differ slightly because of their involvement with training, laboratory animal medical care, and supporting animal research programs. Table 35 indicates that ATC and AFSC personnel are more involved with animal functions than any of the other major commands.

Major Command Summary. AFSC 907X0, Bioenvironmental Engineering personnel, perform the same basic job, regardless of command assignment. The 908X0 Environmental Health personnel perform primarily the same job with the exception of AFSC and ATC who are slightly more involved with laboratory animal care and animal research programs.

COMPARISON OF CURRENT SURVEY TO PREVIOUS SURVEY

The results of this survey were compared to the results of the August 1973 and December 1978 907X0 surveys, and the results of the November 1970, November 1976, and March 1980 908X0 surveys.

907X0 OSR Comparison of Current and Previous Results. Over the past several years, several changes (including name changes) have occurred within the Bioenvironmental Engineering career ladder, as discussed in the History within the INTRODUCTION and CAREER LADDER STRUCTURE sections of this report. As a result of these changes, findings of the two previous reports reflect some differences in jobs identified. As mentioned in the CAREER LADDER STRUCTURE section, there seems to be a trend toward less specialization in the current study than the previous one.

Except for the above differences, other data, such as job satisfaction and skill level analysis, remain similar. The 907X0 career ladder has experienced some changes in functional responsibilities since the 1978 study; however, subject-matter specialists perceive this career ladder will be stable for the future.

908X0 OSR Comparison. The 908X0 career ladder has progressed through various changes (as discussed in the history presented in the INTRODUCTION and CAREER LADDER STRUCTURE sections of this report). Generally, the previous studies reported relatively similar findings with only minor differences appearing in areas such as job satisfaction indicators (job interest, perceived utilization of talents and training, and reenlistment intentions), and job structure groups. Job satisfaction indicators for the first-enlistment groups either remained constant or increased for members of the current study. The major jobs are slightly different for the current and the 1980 survey; not as many jobs within major groupings are identified in the current OSR as in the previous one for several reasons: personnel perform broader and less specialized jobs; changes in functional responsibilities; and merger of some functions. The jobs of AFSC 908X0 incumbents are broader and less specialized than the pattern of jobs identified in previous studies.

TABLE 35
RELATIVE PERCENT TIME SPENT ON DUTIES BY 908X0 MAJOR COMMAND GROUPS

DUTIES	PERCENT TIME SPENT						
	AAC	USAFC	AFLC	AFSC	ATC	MAC	PACAF
A ORGANIZING AND PLANNING	7	8	8	11	9	9	11
B DIRECTING AND IMPLEMENTING	7	9	10	6	9	9	10
C INSPECTING AND EVALUATING	6	6	7	7	6	6	6
D TRAINING	4	5	5	9	5	5	6
E PERFORMING GENERAL ADMINISTRATIVE PROCEDURES	7	12	12	9	9	11	11
F PERFORMING SUBSISTENCE INSPECTIONS	44	31	22	19	23	28	26
G PERFORMING SANITARY SURVEYS	15	12	14	9	13	12	12
H PERFORMING EPIDEMIOLOGICAL SUPPORT PROCEDURES	4	9	14	5	7	10	9
I PERFORMING LABORATORY ANIMAL MEDICAL CARE	-	*	*	12	7	1	*
J SUPPORTING ANIMAL RESEARCH PROGRAMS	-	-	-	1	7	2	-
K SUPPORTING MILITARY WORKING DOG PROGRAMS	-	*	*	*	*	*	*
L MONITORING WATER AND POLLUTION	*	*	*	*	*	*	*
M PERFORMING MEDICAL ZOOLOGY	*	*	-	*	1	1	2
N CONDUCTING OCCUPATIONAL HEALTH PROGRAMS	4	7	*	4	7	8	6
O CONDUCTING RADIOLOGICAL HEALTH PROGRAMS	*	*	3	*	*	*	-
P PERFORMING BIODEMOCRITICAL SUPPORT OF AIRCRAFT AND MISSILE OPERATIONS	-	-	1	-	*	-	*

* Less than 1 percent

NOTE: Columns may not add up to 100 percent due to nonresponse or rounding

OTHER ANALYSES

In addition to information related to tasks and duties, each survey respondent was requested to fill out a general background information section. This section provides biographical and specialty-related data which may be used to address specific issues raised by career ladder personnel. A brief discussion of strength and stamina is presented below. The remainder of the above mentioned data are presented in tabular form (Tables 36 through 40).

The experienced 7-skill level personnel who provided the task difficulty ratings also assisted in identifying problems associated with the performance of tasks and duties relative to strength and stamina. These personnel were asked to identify specific tasks which required excessive strength or stamina to perform. The responses to the strength and stamina questions were analyzed and no problems were identified.

IMPLICATIONS

Occupational survey data indicate Bioenvironmental Engineering career ladder and Environmental Medicine career ladder personnel are performing the jobs they were designated to perform, with very minor exceptions. The separation of clusters, job types, subclusters, and independent job types are the result of differences in time spent on core tasks and the performance of specialized Bioenvironmental Engineering or Environmental Medicine functions. Other differences in tasks performed emerged as a result of members in both 907X0 and 908X0 personnel gaining experience in their respective career ladders and taking on additional supervisory, management, and training functions inherent in attaining seniority. In 11 major job groups, 907X0 personnel are performing functions primarily related to Bioenvironmental Engineering duties and 908X0 personnel are performing functions distinctly related to the Environmental Medicine activities. There is little overlap in technical responsibilities. The current classification structures for both 907X0 and 908X0 career ladders are supported by survey data.

Specialty documents were evaluated and some were recommended for review by training management personnel. The AFR 39-1 Specialty Descriptions for both AFSC 907X0 and 908X0 are generally descriptive of the career ladders. A majority of the 907X0 and 908X0 STS items are supported by OSR data but large numbers of tasks are not referenced to any area of either STS. The POIs for courses 90730 and 90830 generally are supported by survey data, however, a large number of tasks are not referenced to any area of either POI. Most POI blocks have tasks matched to them, however, the basic course taught at Fort Sam Houston has several unmatched COs. Nonreferenced tasks and objectives for both 907X0 and 908X0 courses should be examined in detail to determine the status of the COs and whether nonreferenced tasks should be covered by the respective documents.

Job satisfaction indicators reveal that most 907X0 and 908X0 respondents find their jobs interesting and feel their talents and training are adequately utilized.

TABLE 36
AWARDED A SPECIAL EXPERIENCE IDENTIFIER (SEI)

<u>SEI</u>	<u>PERCENT MEMBERS RESPONDING</u>	
	<u>907X0</u>	<u>908X0</u>
491 LAB ANIMAL TECHNICIAN DESIGNATED POSITION	2	9
491 LAB ANIMAL TECHNICIAN	3	6
489 MEDICAL CHEMICAL DEFENSE TRAINING NCO	36	2
492 RADIOLOGICAL HEALTH TECHNICIAN	5	2

TABLE 37
AREAS OF ADDITIONAL TRAINING WHICH WOULD BE BENEFICIAL

AREAS OF ADDITIONAL TRAINING NEEDS	PERCENT MEMBERS RESPONDING	
	907X0	908X0
AIR POLLUTION	43	6
AUDIOMETRY	6	26
BASIC COMPUTER USE	57	45
BIOLOGICAL HEALTH HAZARDS	35	27
CHEMISTRY	61	17
COLD INJURY OR HEALTH STRESS	29	23
COMMUNICABLE DISEASES	4	59
CONTRACTS	12	31
ENVIRONMENTAL CHEMICALS	65	33
ERGONOMICS	17	8
HOSPITAL INFECTIONS	3	34
INDUSTRIAL HYGIENE	63	32
IONIZING RADIATION	58	19
MATHEMATICS	49	18
MEDICAL X-RAY SURVEYS	42	8
MILITARY QUARANTINE INSPECTIONS	5	29
NOISE	51	37
NON-IONIZING RADIATION FUNDAMENTALS	59	16
NUCLEAR/BIOLOGICAL/CHEMICAL DEFENSE	48	23
PATIENT CONTACT	2	35
PRINCIPLES OF EPIDEMIOLOGY	5	38
SOLID WASTE MANAGEMENT	38	9
TOXICOLOGY	59	26
VENTILATION SYSTEMS	67	19
WATER POLLUTION	59	13

TABLE 38
MATHEMATICAL FORMULAS USED

<u>MATHEMATICAL FORMULAS</u>	<u>PERCENT MEMBERS RESPONDING</u>	
	<u>907X0</u>	<u>908X0</u>
AIRBORNE CONTAMINATION	60	1
AIR CHANGES	81	2
AREA OF CIRCLE	76	1
AREA OF AN OVAL DUCT	43	*
AREA OF A PARALLELOGRAM	15	*
AREA OF A SPHERE	16	0
AREA OF A TRAPEZOID	11	*
AREA OF A TRIANGLE	18	*
AVERAGE METABOLIC RATE	13	*
CIRCUMFERENCE OF A CIRCLE	48	1
COMMON LOGARITHMS	43	2
COMPLIANCE FACTOR	27	5
CONCENTRATION BY WEIGHT	41	8
CONVERTING GAIN IN dB TO ABSOLUTE	23	2
CURIE CONVERSIONS	17	*
DILUTION VENTILATION	62	1
DIMENSIONAL ANALYSIS (CONVERSION OF UNITS)	40	3
ELECTROMAGNETIC WAVE ENERGY	16	*
EQUIVALENT CONTINUOUS SOUND LEVEL	43	2
EXPONENTIAL POWERS	33	1
EXPONENTIAL RADIATION DECAY LAW	19	*
FREQUENCY VELOCITY CALCULATION	39	*
GAS LAW	34	*
HALF LIFE SPECIFIC ACTIVITY CALCULATION	21	3
INVERSE SQUARE LAW	47	*
KINETIC ENERGY	8	*
MASS TO ENERGY AND ENERGY TO MASS CONVERSION	8	*
MEASUREMENT TO CENTRAL TENDENCY	2	1
NATURAL LOGARITHMS	17	*
PARTS PER MILLION (PPM) CONVERSION	71	17
PEL FOR VARIOUS MH FREQUENCIES	21	2
PERMISSIBLE HOUSE EXPOSURE	79	8
PERMISSIBLE LIFETIME EXPOSURE	35	4
PROBE BURNOUT LEVEL	16	*
RATES AND RATIOS	34	15

TABLE 38 (CONTINUED)
MATHEMATICAL FORMULAS USED

<u>MATHEMATICAL FORMULAS</u>	<u>PERCENT MEMBERS RESPONDING</u>	
	<u>907X0</u>	<u>908X0</u>
REFLECTANCE FACTORS	28	*
ROENTGEN PER HOUR OUTPUT	30	2
ROOTS	33	1
SATURATION CONCENTRATION	15	1
SCIENTIFIC NOTATION	33	*
SPECIFIC IONIZATIONS	5	*
SURFACE CONTAMINATION	21	4
TIME-WEIGHTED AVERAGE (TWA)	81	5
TIME-WEIGHTED AVERAGE (WBGT)	51	3
VENTILATION MEASURE	69	1
VOLUME OF A CONE OR PYRAMID	8	*
VOLUME OF A CYLINDER	21	*
VOLUME OF A RECTANGLE	32	1
VOLUME OF A SPHERE	10	*

TABLE 39
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

<u>ORGANIZATION</u>	<u>PERCENT MEMBERS RESPONDING</u>	
	<u>907X0</u>	<u>908X0</u>
AMERICAN ASSOCIATION FOR LABORATORY ANIMAL SCIENCE	0	3
AMERICAN CONFERENCE OF GOVERNMENTAL HYGIENISTS (ACGIH)	7	*
AMERICAN HEART AND LUNG ASSOCIATION	1	3
AMERICAN INDUSTRIAL HYGIENISTS ASSOCIATION (AIHA)	2	*
NATIONAL ENVIRONMENTAL HEALTH ASSOCIATION	1	1

* Less than 1 percent

TABLE 40
FIELD MEDICAL DISASTER OPERATIONS TASKS PERFORMED

TASKS	PERCENT MEMBERS PERFORMING	
	907X0	908X0
BRIEF FIELD OFFICIALS ON POSSIBLE HEALTH HAZARDS	34	10
BRIEF OFFICIALS ON TYPES OF DECONTAMINATION REQUIRED	34	12
CALCULATE STAY TIME IN RADIATION AREAS OR TOTAL DOSE	28	4
COLLECT SAMPLES TO DETERMINE CHEMICAL/BIOLOGICAL CONTAMINATION	45	4
COLLECT SAMPLES TO DETERMINE RADIOLOGICAL CONTAMINATION	42	1
COLLECT URINE SAMPLES FROM PERSONNEL LEAVING RADIOLOGICALLY CONTAMINATED AREAS	19	*
DETERMINE FIELD WATER SAFETY	29	6
DETERMINE DEGRESS OR TYPES OF RADIOACTIVE CONTAMINATION	32	4
DIRECT CHEMICAL/BIOLOGICAL DECONTAMINATION OF PERSONNEL, EQUIPMENT, OR FACILITIES	41	23
DIRECT METHODS TO PROTECT FOOD SUPPLIES	4	21
DIRECT NUCLEAR/NUCLEAR/BIOLOGICAL DECONTAMINATION STATIONS	30	17
DIRECT RADILOGICAL DECONTAMINATION OF PERSONNEL, EQUIPMENT, OR FACILITIES	33	15
EVALUATE METHODS USED TO PROTECT FOOD OR WATER FROM SPECIAL WEAPONS EFFECTS	5	14
IDENTIFY AGENTS OF CHEMICAL/BIOLOGICAL WARFARE	39	13
INSPECT CONSTRUCTION OF FIELD WATER STORAGE AND TREATMENT FACILITIES	14	6
INSPECT CONSTRUCTION OR OPERATION OF FIELD SANITATION DEVICES	10	10
RECORD ENTRY TIME INTO RADIATION AREAS	34	3

APPENDIX A

TABLE A1

GROUP ID NUMBER AND TITLE: GRP225, BIOENVIRONMENTAL SUPERVISORS AND NCOICs
 GROUP SIZE: 127 PERCENT OF SAMPLE: 10
 AVERAGE GRADE: E-6 AVERAGE TICF: 115 MONTHS
 AVERAGE TAFMS: 163 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	96
A4 DETERMINE WORK PRIORITIES	96
B69 DIRECT INDUSTRIAL HYGIENE SURVEILLANCE OR WORKPLACES	93
C143 EVALUATE REQUESTS FOR ISSUE OF HAZARDOUS MATERIALS	92
E253 DRIVE MILITARY MOTOR VEHICLES	92
N721 INTERPRET RESULTS OF AIR SAMPLE ANALYSES AND MAKE RECOMMENDATIONS	91
N720 INTERPRET PEL VALUES AND NOTATIONS	91
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	91
C158 PREPARE APR	91
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	90
B70 DIRECT INDUSTRIAL VENTILATION SURVEILLANCE PROGRAMS	89
A16 ESTABLISH WORK SCHEDULES	88
B61 COORDINATE WITH ENVIRONMENTAL MEDICINE PERSONNEL	87
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	87
A11 DEVELOP WORK METHODS OR PROCEDURES	86
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	86
N740 PERFORM NOISE SURVEYS	85
A3 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	85
A52 WRITE JUSTIFICATIONS FOR PROCUREMENT OF EQUIPMENT, SUPPLIES, OR WORK AREAS	84
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	84
N745 RECOMMEND CONTROLS FOR HAZARDOUS NOISE	84
N176 CONDUCT OJT	83
N723 INTERPRET SHORT TERM EXPOSURE LIMIT (STEL) VALUES AND NOTATIONS	83
N746 RECOMMEND PERSONAL PROTECTIVE DEVICES	83
B102 ORIENT NEWLY ASSIGNED PERSONNEL	83
C168 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	83
A1 COORDINATE WORK REQUESTS WITH CIVIL ENGINEERING PERSONNEL	83
N726 INVESTIGATE POSSIBLE CHEMICAL HEALTH HAZARDS	82
N738 PERFORM ILLUMINATION SURVEYS	82

TABLE A2

GROUP ID NUMBER AND TITLE: GRP120, HEALTH PROTECTION MONITORS
 GROUP SIZE: 334 PERCENT OF SAMPLE: 26
 AVERAGE GRADE: E-4 AVERAGE TICF: 44 MONTHS
 AVERAGE TAFMS: 55 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	96
N740 PERFORM NOISE SURVEYS	96
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	95
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	95
E225 COMPLETE AF FORMS 2757 ILLUMINATION SURVEY DATA SHEET	95
N738 PERFORM ILLUMINATION SURVEYS	94
N719 IDENTIFY HAZARDOUS NOISE AREAS	93
N700 COLLECT BREATHING ZONE OR PERSONAL AIR SAMPLES	93
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	93
N699 COLLECT AIR SAMPLES FROM INDUSTRIAL ENVIRONMENT	93
E232 COMPLETE AF FORMS 2764 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	92
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	91
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	91
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	89
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	89
N745 RECOMMEND CONTROLS FOR HAZARDOUS NOISE	88
E253 DRIVE MILITARY MOTOR VEHICLES	87
N733 PERFORM BULK SAMPLE COLLECTION	87
E230 COMPLETE AF FORMS 2762 (LISTING OF INDUSTRIAL HYGIENE SAMPLE RESULTS)	86
N702 COLLECT DATA ON EQUIPMENT, AIRCRAFT, OR OTHER OPERATIONS WHICH PRODUCE NOISE	84
N746 RECOMMEND PERSONAL PROTECTIVE DEVICES	80
N720 INTERPRET PEL VALUES AND NOTATIONS	78
N721 INTERPRET RESULTS OF AIR SAMPLE ANALYSES AND MAKE RECOMMENDATIONS	78
N744 PERFORM TEMPERATURE AND HUMIDITY SURVEYS	76
N701 COLLECT CHEMICAL SAMPLES FROM INDUSTRIAL ENVIRONMENT	74
N748 RESEARCH TEXTBOOKS, MANUALS, OR OTHER PUBLICATIONS TO IDENTIFY CHARACTERISTICS OF CONTAMINANTS	73
N712 CONSTRUCT AND MAINTAIN INDUSTRIAL CASE FILES EXCEPT TAB "F"	72
E231 COMPLETE AF FORMS 2763 (INDUSTRIAL HYGIENE VENTILATION PRESURVEY)	72
N726 INVESTIGATE POSSIBLE CHEMICAL HEALTH HAZARDS	72

TABLE A3

GROUP ID NUMBER AND TITLE: GRP362, INDUSTRIAL ENVIRONMENTAL MONITORS
 GROUP SIZE: 167 PERCENT OF SAMPLE: 13
 AVERAGE GRADE: E-4 AVERAGE TICF: 36 MONTHS
 AVERAGE TAFMS: 46 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	98
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	98
E225 COMPLETE AF FORMS 2757 (ILLUMINATION SURVEY DATA SHEET)	98
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	98
N699 COLLECT AIR SAMPLES FROM INDUSTRIAL ENVIRONMENT	96
N738 PERFORM ILLUMINATION SURVEYS	96
N740 PERFORM NOISE SURVEYS	95
N700 COLLECT BREATHING ZONE OR PERSONAL AIR SAMPLES	95
L647 COLLECT POTABLE WATER SAMPLES FOR ANALYSES	95
E232 COMPLETE AF FORMS 2754 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	95
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	94
N719 IDENTIFY HAZARDOUS NOISE AREAS	94
E253 DRIVE MILITARY MOTOR VEHICLES	93
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	93
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	93
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	92
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	92
N733 PERFORM BULK SAMPLE COLLECTION	91
L659 PERFORM BACTERIOLOGICAL ANALYSES OF WATER BY MEMBRANE FILTER TECHNIQUE	90
N745 RECOMMEND CONTROLS FOR HAZARDOUS NOISE	90
L672 PERFORM pH DETERMINATIONS	89
L682 SHIP WATER SAMPLES FOR CHEMICAL OR RADIOLOGICAL ANALYSES	89
E230 COMPLETE AF FORMS 2762 (LISTING OF INDUSTRIAL HYGIENE SAMPLE RESULTS)	87
E222 COMPLETE AF FORMS 2752 (ENVIRONMENTAL SAMPLING DATA)	86
N744 PERFORM TEMPERATURE AND HUMIDITY SURVEYS	86
N702 COLLECT DATA ON EQUIPMENT, AIRCRAFT, OR OTHER OPERATIONS WHICH PRODUCE NOISE	85
L666 PERFORM CHLORINE DETERMINATIONS	84
0789 SURVEY MICROWAVE OVEN LEAKAGES	84
N746 RECOMMEND PERSONAL PROTECTIVE DEVICES	83
L677 PRESERVE WATER SAMPLES FOR CHEMICAL ANALYSIS	82

TABLE A4

GROUP ID NUMBER AND TITLE: GRP351, COMMUNITY HEALTH ENVIRONMENTAL MONITORS
 GROUP SIZE: 106 PERCENT OF SAMPLE: 8
 AVERAGE GRADE: E-4 AVERAGE TICF: 51 MONTHS
 AVERAGE TAFMS: 66 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	100
N700 COLLECT BREATHING ZONE OR PERSONAL AIR SAMPLES	99
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	99
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	98
N740 PERFORM NOISE SURVEYS	97
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	97
N699 COLLECT AIR SAMPLES FROM INDUSTRIAL ENVIRONMENT	97
N719 IDENTIFY HAZARDOUS NOISE AREAS	97
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	96
N738 PERFORM ILLUMINATION SURVEYS	96
E225 COMPLETE AF FORMS 2757 (ILLUMINATION SURVEY DATA SHEET)	95
E230 COMPLETE AF FORMS 2762 (LISTING OF INDUSTRIAL HYGIENE SAMPLE RESULTS)	94
E232 COMPLETE AF FORMS 2764 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	94
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	93
N702 COLLECT DATA ON EQUIPMENT, AIRCRAFT, OR OTHER OPERATIONS WHICH PRODUCE NOISE	92
N745 RECOMMEND CONTROLS FOR HAZARDOUS NOISE	92
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	92
N733 PERFORM BULK SAMPLE COLLECTION	92
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	91
N720 INTERPRET PEL VALUES AND NOTATIONS	91
N721 INTERPRET RESULTS OF AIR SAMPLE ANALYSES AND MAKE RECOMMENDATIONS	87
N746 RECOMMEND PERSONAL PROTECTIVE DEVICES	87
N701 COLLECT CHEMICAL SAMPLES FROM INDUSTRIAL ENVIRONMENT	85
E253 DRIVE MILITARY MOTOR VEHICLES	84
E231 COMPLETE AF FORMS 2763 (INDUSTRIAL HYGIENE VENTILATION PRESURVEY)	82
N726 INVESTIGATE POSSIBLE CHEMICAL HEALTH HAZARDS	82
N712 CONSTRUCT AND MAINTAIN INDUSTRIAL CASE FILES EXCEPT TAB "F"	80
N754 SELECT OR CHECK CALIBRATION OF SAMPLING DEVICES USED IN DETECTING HAZARDOUS	80

TABLE A5

GROUP ID NUMBER AND TITLE: GRP220, ASSISTANT COMMUNITY HEALTH ENVIRONMENTAL MONITORS

GROUP SIZE: 6

PERCENT OF SAMPLE: LESS THAN 1%

AVERAGE GRADE: E-4

AVERAGE TICF: 60 MONTHS

AVERAGE TAFMS: 62 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	100
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	100
N740 PERFORM NOISE SURVEYS	100
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	100
E225 COMPLETE AF FORMS 2757 (ILLUMINATION SURVEY DATA SHEET)	100
E232 COMPLETE AF FORMS 2764 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	100
N719 IDENTIFY HAZARDOUS NOISE AREAS	100
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	100
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	100
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	100
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	100
N745 RECOMMEND CONTROLS FOR HAZARDOUS NOISE	100
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	100
N721 INTERPRET RESULTS OF AIR SAMPLE ANALYSES AND MAKE RECOMMENDATIONS	83
E222 COMPLETE AF FORMS 2752 (ENVIRONMENTAL SAMPLING DATA)	83
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	83
E230 COMPLETE AF FORMS 2762 (LISTING OF INDUSTRIAL HYGIENE SAMPLE RESULTS)	83
N738 PERFORM ILLUMINATION SURVEYS	67
B69 DIRECT INDUSTRIAL HYGIENE SURVEILLANCE OR WORKPLACES	67
B70 DIRECT INDUSTRIAL VENTILATION SURVEILLANCE PROGRAMS	67
E233 COMPLETE AF FORMS 2765 (INDUSTRIAL VENTILATION SURVEY PILOT TRAVERSE METHOD)	67
N699 COLLECT AIR SAMPLES FROM INDUSTRIAL ENVIRONMENT	67
E231 COMPLETE AF FORMS 2763 (INDUSTRIAL HYGIENE VENTILATION PRESURVEY)	67
E227 COMPLETE AF FORMS 2759 (RADIO FREQUENCY EMITTER SURVEY)	67
E253 DRIVE MILITARY MOTOR VEHICLES	67
A16 ESTABLISH WORK SCHEDULES	67
N746 RECOMMEND PERSONAL PROTECTIVE DEVICES	67
A28 PREPARE BRIEFINGS	67

TABLE A6

GROUP ID NUMBER AND TITLE: GRP335, ENVIRONMENTAL SURVEY PERSONNEL
 GROUP SIZE: 16 PERCENT OF SAMPLE: 1
 AVERAGE GRADE: E-3 AVERAGE TICF: 23 MONTHS
 AVERAGE TAFMS: 28 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	100
N740 PERFORM NOISE SURVEYS	100
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	100
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	100
N738 PERFORM ILLUMINATION SURVEYS	94
E225 COMPLETE AF FORMS 2757 (ILLUMINATION SURVEY DATA SHEET)	94
E253 DRIVE MILITARY MOTOR VEHICLES	88
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	88
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	88
E232 COMPLETE AF FORMS 2764 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	88
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	88
N700 COLLECT BREATHING ZONE OR PERSONAL AIR SAMPLES	81
N699 COLLECT AIR SAMPLES FROM INDUSTRIAL ENVIRONMENT	81
N719 IDENTIFY HAZARDOUS NOISE AREAS	81
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	75
L647 COLLECT POTABLE WATER SAMPLES FOR ANALYSES	75
N702 COLLECT DATA ON EQUIPMENT, AIRCRAFT, OR OTHER OPERATIONS WHICH PRODUCE NOISE	69
L659 PERFORM BACTERIOLOGICAL ANALYSES OF WATER BY MEMBRANE FILTER TECHNIQUES	69
E230 COMPLETE AF FORMS 2762 (LISTING OF INDUSTRIAL HYGIENE SAMPLE RESULTS)	69
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	69
N733 PERFORM BULK SAMPLE COLLECTION	69
N712 CONSTRUCT AND MAINTAIN INDUSTRIAL CASE FILES EXCEPT TAB "F"	63
N744 PERFORM TEMPERATURE AND HUMIDITY SURVEYS	63
N748 RESEARCH TEXTBOOKS, MANUALS, OR OTHER PUBLICATIONS TO IDENTIFY CHARACTERISTICS OF CONTAMINANTS	56
E233 COMPLETE AF FORMS 2765 (INDUSTRIAL VENTILATION SURVEY PILOT TRAVERSE METHOD)	56
L666 PERFORM CHLORINE DETERMINATIONS	56
N745 SELECT OR CHECK CALIBRATION OF SAMPLING DEVICES USED IN DETECTING HAZARDOUS AGENTS	56
N720 INTERPRET PEL VALUES AND NOTATIONS	56

TABLE A7

GROUP ID NUMBER AND TITLE: GRP071, WATER AND POLLUTION PERSONNEL CLUSTER
 GROUP SIZE: 26 PERCENT OF SAMPLE: 2
 AVERAGE GRADE: E-3 AVERAGE TICF: 32 MONTHS
 AVERAGE TAFMS: 39 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
L659 PERFORM BACTERIOLOGICAL ANALYSES OF WATER BY MEMBRANE FILTER TECHNIQUES	96
L647 COLLECT POTABLE WATER SAMPLES FOR ANALYSES	88
L648 COLLECT WASTE WATER SAMPLES FOR ANALYSES	88
L672 PERFORM pH DETERMINATIONS	85
E253 DRIVE MILITARY MOTOR VEHICLES	81
L677 PRESERVE WATER SAMPLES FOR CHEMICAL ANALYSIS	77
L664 PERFORM BULK WATER SAMPLE COLLECTION	77
L682 SHIP WATER SAMPLES FOR CHEMICAL OR RADIOLOGICAL ANALYSES	73
E222 COMPLETE AF FORMS 2752 (ENVIRONMENTAL SAMPLING DATA)	73
L666 PERFORM CHLORINE DETERMINATIONS	69
L675 PERFORM TESTS TO DETERMINE FLUORIDE LEVELS IN WATER	62
L661 PERFORM BACTERIOLOGICAL ANALYSIS OF WATER FOR FECAL COLIFORM	58
L678 RECORD RESULTS OF CHEMICAL ANALYSIS OF WATER	54
L646 COLLECT ICE SAMPLES FOR BACTERIOLOGICAL ANALYSES	50
E245 COMPLETE DD FORMS 686 (FLUORIDE/BACTERIOLOGICAL EXAMINATION OF WATER)	50
E239 COMPLETE AF FORMS 708 (SWIMMING POOL OPERATIONAL LOG)	50
L656 MONITOR GROUND WATER CONTAMINATION OTHER THAN BACTERIOLOGICAL	46
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	42
E246 COMPLETE FD FORMS 2536 (MICROWAVE OVEN FIELD TEST RECORD)	38
L671 PERFORM PCB TRANSFORMER SAMPLING	38
L654 EXAMINE DISINFECTION OF NEW AND REPAIRED WATER DISTRIBUTION LINES	38
L663 PERFORM BULK SAMPLE COLLECTION OF HAZARDOUS WASTE	38
E225 COMPLETE AF FORMS 2757 (ILLUMINATION SURVEY DATA SHEET)	38
N738 PERFORM ILLUMINATION SURVEYS	35
L649 CONSULT WITH CE ENVIRONMENTAL COORDINATOR	35
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	35
E241 COMPLETE DD FORMS 1149 (REQUISITION AND INVOICE/SHIPPING DOCUMENT)	31
E265 MAINTAIN MILITARY MOTOR VEHICLES	31
L657 MONITOR PCB SPILL CLEANUPS	31
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	27
0789 SURVEY MICROWAVE OVEN LEAKAGE	27

TABLE A8

GROUP ID NUMBER AND TITLE: GRP170, ASSISTANT WATER AND POLLUTION MONITORS
 GROUP SIZE: 6 PERCENT OF SAMPLE: LESS THAN 1%
 AVERAGE GRADE: E-3 AVERAGE TICF: 12 MONTHS
 AVERAGE TAFMS: 16 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
L647 COLLECT POTABLE WATER SAMPLES FOR ANALYSES	100
L646 COLLECT ICE SAMPLES FOR BACTERIOLOGICAL ANALYSES	100
L659 PERFORM BACTERIOLOGICAL ANALYSES OF WATER BY MEMBRANE FILTER TECHNIQUES	100
N738 PERFORM ILLUMINATION SURVEYS	100
N739 PERFORM INDUSTRIAL VENTILATION SURVEYS	100
E225 COMPLETE AF FORMS 2757 (ILLUMINATION SURVEY DATA SHEET)	100
E253 DRIVE MILITARY MOTOR VEHICLES	83
N740 PERFORM NOISE SURVEYS	83
E244 COMPLETE DD FORMS 2214 (NOISE SURVEY)	83
E222 COMPLETE AF FORMS 2752 (ENVIRONMENTAL SAMPLING DATA)	83
E223 COMPLETE AF FORMS 2754 (CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE)	83
E224 COMPLETE AF FORMS 2756 (NOISE SURVEY (DOSIMETER))	83
E232 COMPLETE AF FORMS 2764 (INDUSTRIAL VENTILATION SURVEY FACE VELOCITY METHOD)	83
E220 COMPLETE AF FORMS 2750 (INDUSTRIAL HYGIENE SAMPLING DATA)	83
E221 COMPLETE AF FORMS 2751 (BULK MATERIAL SAMPLING DATA)	83
E245 COMPLETE DD FORMS 686 (FLUORIDE/BACTERIOLOGICAL EXAMINATION OF WATER)	67
L664 PERFORM BULK WATER SAMPLE COLLECTION	67
L648 COLLECT WASTE WATER SAMPLES FOR ANALYSES	67
E226 COMPLETE AF FORMS 2758 (INDUSTRIAL HYGIENE SURVEY DATA SHEET)	67
E229 COMPLETE AF FORMS 2761 (HAZARDOUS MATERIALS DATA)	67
L661 PERFORM BACTERIOLOGICAL ANALYSIS OF WATER FOR FECAL COLIFORM	60
L666 PERFORM CHLORINE DETERMINATIONS	50
L672 PERFORM pH DETERMINATIONS	50
N735 PERFORM CURRENT WET BULB GLOBE TEMPERATURE INDEX OR CHILL FACTORS ON BASE ORGANIZATIONS	50
N745 RECOMMEND CONTROLS FOR HAZARDOUS NOISE	50
L649 CONSULT WITH CE ENVIRONMENTAL COORDINATOR	50
E217 COMPLETE AF FORMS 1800 (OPERATOR'S INSPECTION GUIDE AND TROUBLE REPORT (GENERAL PURPOSE VEHICLE))	50
E254 ESTABLISH IEX CODES 8 AND 9 FOR CHEMICALS	50
E231 COMPLETE AF FORMS 2763 (INDUSTRIAL HYGIENE VENTILATION PRESURVEY)	50

TABLE A9

GROUP ID NUMBER AND TITLE: GRP235, WATER AND POLLUTION MONITORS
 GROUP SIZE: 9 PERCENT OF SAMPLE: 1
 AVERAGE GRADE: E-3 AVERAGE TICF: 24 MONTHS
 AVERAGE TAFMS: 35 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
L672 PERFORM pH DETERMINATIONS	100
L648 COLLECT WASTE WATER SAMPLES FOR ANALYSES	100
L677 PRESERVE WATER SAMPLES FOR CHEMICAL ANALYSIS	100
L682 SHIP WATER SAMPLES FOR CHEMICAL OR RADIOLOGICAL ANALYSES	100
E222 COMPLETE AF FORMS 2752 (ENVIRONMENTAL SAMPLING DATA)	100
L659 PERFORM BACTERIOLOGICAL ANALYSES OF WATER BY MEMBRANE FILTER TECHNIQUE	89
L666 PERFORM CHLORINE DETERMINATIONS	89
L675 PERFORM TESTS TO DETERMINE FLUORIDE LEVELS IN WATER	89
L647 COLLECT POTABLE WATER SAMPLES FOR ANALYSES	89
L664 PERFORM BULK WATER SAMPLE COLLECTIONS	89
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	89
E253 DRIVE MILITARY MOTOR VEHICLES	78
L678 RECORD RESULTS OF CHEMICAL ANALYSIS OF WATER	67
E246 COMPLETE FD FORMS 2536 (MICROWAVE OVEN FIELD TEST RECORD)	67
E239 COMPLETE AF FORMS 708 (SWIMMING POOL OPERATIONAL LOG)	67
L656 MONITOR GROUND WATER CONTAMINATION OTHER THAN BACTERIOLOGICAL	67
L654 EXAMINE DISINFECTION OF NEW AND REPAIRED WATER DISTRIBUTION LINES	67
L663 PERFORM BULK SAMPLE COLLECTION OF HAZARDOUS WASTE	67
L671 PERFORM PCB TRANSFORMER SAMPLING	67
L661 PERFORM BACTERIOLOGICAL ANALYSIS OF WATER FOR FECAL COLIFORM	56
E245 COMPLETE DD FORMS 686 (FLUORIDE/BACTERIOLOGICAL EXAMINATION OF WATER)	56
L649 CONSULT WITH CE ENVIRONMENTAL COORDINATOR	56
L657 MONITOR PCB SPILL CLEANUPS	56
E265 MAINTAIN MILITARY MOTOR VEHICLES	44
E241 COMPLETE DD FORMS 1149 (REQUISITION AND INVOICE/SHIPPING DOCUMENT)	44
G411 PERFORM MEDICAL EVALUATIONS OF ON-BASE SWIMMING POOLS	33
A4 DETERMINE WORK PRIORITIES	33
B64 DIRECT BIOLOGICAL SURVEILLANCE OF DRINKING WATER	33
B65 DIRECT BIOLOGICAL SURVEILLANCE OF SWIMMING POOLS	33
C135 EVALUATE LABORATORY TEST RESULTS	33
0789 SURVEY MICROWAVE OVEN LEAKAGE	33

TABLE A10

GROUP ID NUMBER AND TITLE: GRP232, TECHNICAL TRAINING INSTRUCTORS
 GROUP SIZE: 9 PERCENT OF SAMPLE: 1
 AVERAGE GRADE: E-6 AVERAGE TICF: 143 MONTHS
 AVERAGE TAFMS: 179 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
D181 CONDUCT RESIDENT COURSE CLASSROOM TRAINING	100
D206 PREPARE LESSON PLANS	100
D192 DEVELOP TRAINING AIDS	100
D213 WRITE TEST QUESTIONS	100
D208 SCHEDULE TRAINING SESSIONS	100
D169 ADMINISTER TESTS	89
D198 EVALUATE TRAINING PROGRESS OF STUDENTS	89
D191 DEVELOP RESIDENT COURSE OR CAREER DEVELOPMENT COURSE (CDC) CURRICULUM MATERIALS	89
D172 ASSIGN RESIDENT COURSE INSTRUCTORS	89
D207 PROCURE TRAINING AIDS, SPACE, OR EQUIPMENT	78
E275 RESEARCH TECHNICAL PUBLICATIONS	78
D189 DETERMINE RESIDENT COURSE TRAINING REQUIREMENTS	78
A16 ESTABLISH WORK SCHEDULES	78
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	78
D197 EVALUATE TRAINING METHODS OR TECHNIQUES	67
D185 COUNSEL TRAINEES ON TRAINING PROGRESS	67
D195 EVALUATE INSTRUCTOR PERFORMANCE	67
D200 MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	67
D209 SCORE TESTS	67
D201 PARTICIPATE IN TRAINING CONFERENCES OR BRIEFINGS	67
C158 PREPARE APR	67
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	67
A3 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	67
D187 DESIGN MEDICAL/CHEMICAL TRAINING	56
C150 EVALUATE WORK SCHEDULES	56
A4 DETERMINE WORK PRIORITIES	56
A11 DEVELOP WORK METHODS OR PROCEDURES	56
B102 ORIENT NEWLY ASSIGNED PERSONNEL	56
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	56
A5 DEVELOP BUDGET OR FINANCIAL REQUIREMENTS	56
D175 CONDUCT MEDICAL/CHEMICAL TRAINING	44
A35 PREPARE WORK ASSIGNMENTS	44
D199 MAINTAIN STUDY REFERENCE FILES	44

TABLE A11

GROUP ID NUMBER AND TITLE: GRP082, GENERAL MANAGERS AND SUPERINTENDENT CLUSTER

GROUP SIZE: 36

PERCENT OF SAMPLE: 3

AVERAGE GRADE: E-7

AVERAGE TICF: 174 MONTHS

AVERAGE TAFMS: 219 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

<u>TASKS</u>	<u>PERCENT MEMBERS PERFORMING</u>
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	97
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	94
A4 DETERMINE WORK PRIORITIES	89
C158 PREPARE APR	86
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	83
B102 ORIENT NEWLY ASSIGNED PERSONNEL	83
C160 PREPARE RECOMMENDATIONS FOR AWARDS OR DECORATIONS	83
A16 ESTABLISH WORK SCHEDULES	80
A3 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	80
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	71
A5 DEVELOP BUDGET OR FINANCIAL REQUIREMENTS	71
B54 ASSIGN PERSONNEL TO DUTY POSITIONS	71
A2 DESIGN OR DEVELOP INFORMATION CHARTS, STATUS BOARDS, GRAPHS, OR SPOT MAPS	71
A11 DEVELOP WORK METHODS OR PROCEDURES	69
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	66
A35 PREPARE WORK ASSIGNMENTS	66
C157 PERFORM SELF-INSPECTIONS	66
E253 DRIVE MILITARY MOTOR VEHICLES	66
C119 EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	63
A10 DEVELOP SELF-INSPECTION PROGRAMS	63
B95 IMPLEMENT SELF-INSPECTION PROGRAMS	60
C117 ANALYZE WORKLOAD REQUIREMENTS	60
A41 SERVE ON AEROSPACE MEDICAL COUNCILS	57
A52 WRITE JUSTIFICATIONS FOR PROCUREMENT OF EQUIPMENT, SUPPLIES, OR WORK AREAS	57
A14 ESTABLISH PERFORMANCE STANDARDS	57
D171 ASSIGN ON-THE-JOB (OJT) TRAINERS	57
A28 PREPARE BRIEFINGS	57
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	54
C151 INDORSE AIRMAN PERFORMANCE REPORTS (APR)	54
C153 INSPECT PERSONNEL	54

TABLE A12

GROUP ID NUMBER AND TITLE: GRP159, ENVIRONMENTAL MEDICINE SUPERVISORS AND NCOICs

GROUP SIZE: 136

PERCENT OF SAMPLE: 11

AVERAGE GRADE: E-6

AVERAGE TICF: 140 MONTHS

AVERAGE TAFMS: 168 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	97
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	93
E215 COLLECT AND ASSEMBLE INFORMATION FOR PART II (ENVIRONMENTAL MEDICINE SECTION) OF THE AEROSPACE MEDICINE REPORT	93
C158 PREPARE APR	90
A4 DETERMINE WORK PRIORITIES	88
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	88
E253 DRIVE MILITARY MOTOR VEHICLES	85
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	84
B102 ORIENT NEWLY ASSIGNED PERSONNEL	84
A16 ESTABLISH WORK SCHEDULES	83
B89 DIRECT TUBERCULOSIS DETECTION AND CONTROL PROGRAMS	82
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	82
A35 PREPARE WORK ASSIGNMENTS	82
B112 SUPERVISE ENVIRONMENTAL MEDICINE SPECIALIST (AFSC 90850)	81
A11 DEVELOP WORK METHODS OR PROCEDURES	81
D176 CONDUCT OJT	80
A28 PREPARE BRIEFINGS	80
A2 DESIGN OR DEVELOP INFORMATION CHARTS, STATUS BOARDS, GRAPHS, OR SPOT MAPS	79
E282 WRITE CORRESPONDENCE	79
C123 EVALUATE COMMUNICABLE DISEASE TRENDS OR STATISTICS	79
B55 CONDUCT BRIEFINGS	78
C157 PERFORM SELF-INSPECTIONS	78
B60 COORDINATE WITH BIOENVIRONMENTAL ENGINEERING PERSONNEL	78
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	77
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	77
A18 PERFORM ANALYSES OR SUMMARIES OF DATA TRENDS OR STATISTICS	77
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	77
A12 DRAFT, DEVELOP, OR REVISE FORMS	77
B95 IMPLEMENT SELF-INSPECTION PROGRAMS	76

TABLE A13

GROUP ID NUMBER AND TITLE: GRP282, ENVIRONMENTAL MEDICINE SUPERINTENDENTS AND FOREMEN

GROUP SIZE: 31

PERCENT OF SAMPLE: 3

AVERAGE GRADE: E-7

AVERAGE TICF: 176 MONTHS

AVERAGE TAFMS: 210 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	100
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	100
C158 PREPARE APR	100
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	97
A37 RESEARCH OR EDIT INPUTS FOR RECURRING REPORTS	97
C157 PERFORM SELF-INSPECTIONS	97
B54 ASSIGN PERSONNEL TO DUTY POSITIONS	97
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	97
E253 DRIVE MILITARY MOTOR VEHICLES	97
C160 PREPARE RECOMMENDATIONS FOR AWARDS OR DECORATIONS	97
A4 DETERMINE WORK PRIORITIES	94
C132 EVALUATE INSPECTION REPORTS OR PROCEDURES	94
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	94
B95 IMPLEMENT SELF-INSPECTION PROGRAMS	94
E215 COLLECT AND ASSEMBLE INFORMATION FOR PART II (ENVIRONMENTAL MEDICINE SECTION) OF THE AEROSPACE MEDICINE REPORT	94
A16 ESTABLISH WORK SCHEDULES	94
C131 EVALUATE INDIVIDUALS FOR RECOGNITION	94
B102 ORIENT NEWLY ASSIGNED PERSONNEL	94
C117 ANALYZE WORKLOAD REQUIREMENTS	90
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	90
B71 DIRECT INSPECTIONS OF FOOD SERVICE OR FOOD STORAGE FACILITIES	90
D171 ASSIGN ON-THE-JOB (OJT) TRAINERS	90
B76 DIRECT MAINTENANCE OF ADMINISTRATIVE FILES	87
A35 PREPARE WORK ASSIGNMENTS	87
D193 DIRECT OR IMPLEMENT OJT PROGRAMS	87
A11 DEVELOP WORK METHODS OR PROCEDURES	87
A52 WRITE JUSTIFICATIONS FOR PROCUREMENT OF EQUIPMENT, SUPPLIES, OR WORK AREAS	87
C130 EVALUATE INDIVIDUALS FOR PROMOTION, DEMOTION, OR RECLASSIFICATION	87
B112 SUPERVISE ENVIRONMENTAL MEDICINE SPECIALIST (AFSC 90850)	84

TABLE A14

GROUP ID NUMBER AND TITLE: GRP328, SUBSISTENCE INSPECTORS/SUPERVISORS
 GROUP SIZE: 44 PERCENT OF SAMPLE: 3
 AVERAGE GRADE: E-7 AVERAGE TICF: 165 MONTHS
 AVERAGE TAFMS: 204 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
A4 DETERMINE WORK PRIORITIES	100
C158 PREPARE APR	100
B102 ORIENT NEWLY ASSIGNED PERSONNEL	100
A3 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	100
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	98
C132 EVALUATE INSPECTION REPORTS OR PROCEDURES	98
E215 COLLECT AND ASSEMBLE INFORMATION FOR PART II (ENVIRONMENTAL MEDICINE SECTION) OF THE AEROSPACE MEDICINE REPORT	98
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	98
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	98
A11 DEVELOP WORK METHODS OR PROCEDURES	98
A16 ESTABLISH WORK SCHEDULES	98
B54 ASSIGN PERSONNEL TO DUTY POSITIONS	98
D186 DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	98
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	95
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	95
B95 IMPLEMENT SELF-INSPECTION PROGRAMS	95
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	95
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	95
D176 CONDUCT OJT	95
D188 DETERMINE OJT REQUIREMENTS	95
A35 PREPARE WORK ASSIGNMENTS	95
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	95
A14 ESTABLISH PERFORMANCE STANDARDS	95
G422 PREPARE WRITTEN REPORTS ON INSPECTION OF BASE FOOD SERVING FACILITIES	93
C138 EVALUATE MILITARY OR ENVIRONMENTAL MEDICINE REPORTS	93
C157 PERFORM SELF-INSPECTIONS	93
B89 DIRECT TUBERCULOSIS DETECTION AND CONTROL PROGRAMS	93
A18 PERFORM ANALYSES OR SUMMARIES OF DATA TRENDS OR STATISTICS	93

TABLE A15

GROUP ID NUMBER AND TITLE: GRP172, EPIDEMIOLOGICAL SUPPORT NCOICs SUBCLUSTER
 GROUP SIZE: 61 PERCENT OF SAMPLE: 5
 AVERAGE GRADE: E-5 AVERAGE TICF: 104 MONTHS
 AVERAGE TAFMS: 122 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	95
B89 DIRECT TUBERCULOSIS DETECTION AND CONTROL PROGRAMS	89
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	89
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CASE TREATMENT AND FOLLOW-UP	89
N708 CONDUCT HEARING PROTECTION TRAINING	89
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	89
A13 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDING OPERATING PROCEDURES (SOP)	89
E215 COLLECT AND ASSEMBLE INFORMATION FOR PART II (ENVIRONMENTAL MEDICINE SECTION) OF THE AEROSPACE MEDICINE REPORT	89
b59 COORDINATE VENEREAL DISEASE CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	87
H440 LOCATE AND INTERVIEW SEXUALLY TRANSMITTED DISEASE, TUBERCULOSIS, AND COMMUNICABLE DISEASE CONTACTS	85
C123 EVALUATE COMMUNICABLE DISEASE TRENDS OR STATISTICS	85
H450 REPORT CIVILIAN SEXUALLY TRANSMITTED DISEASE CONTACTS TO PUBLIC HEALTH AUTHORITIES	85
H427 CONDUCT COMMUNICABLE DISEASE CONTROL INTERVIEWS OTHER THAN TUBERCULOSIS OR SEXUALLY TRANSMITTED DISEASES	85
H444 MONITOR INH PATIENT TREATMENT PROGRAMS	84
B57 COORDINATE TUBERCULOSIS DETECTION AND CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	84
N742 PERFORM PREGNANT WORKER EVALUATIONS	82
H439 INVESTIGATE COMMUNICABLE DISEASE CASES OTHER THAN TUBERCULOSIS OR SEXUALLY TRANSMITTED DISEASE	82
N730 MONITOR RESPIRATORY PROTECTION PROGRAM	79
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	79
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	79
E234 COMPLETE AF FORMS 2767 (OCCUPATIONAL HEALTH TRAINING AND PROTECTIVE EQUIPMENT FIT TESTING)	79
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	79
N729 MONITOR OCCUPATIONAL HEALTH EXAMINATION PROGRAMS	77
A4 DETERMINE WORK PRIORITIES	77

TABLE A16

GROUP ID NUMBER AND TITLE: GRP098, FACILITY AND FOOD INSPECTORS AND EVALUATORS CLUSTER

GROUP SIZE: 81

PERCENT OF SAMPLE: 6

AVERAGE GRADE: E-4

AVERAGE TICF: 64 MONTHS

AVERAGE TAFMS: 79 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	98
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	96
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	90
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	90
G412 PERFORM MEDICAL EVALUATIONS OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	86
G422 PREPARE WRITTEN REPORTS ON INSPECTION OF BASE FOOD SERVING FACILITIES	85
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	85
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	84
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	81
E253 DRIVE MILITARY MOTOR VEHICLES	81
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	78
G416 PERFORM TESTS TO INDICATE SANITARY CONDITION OF UTENSILS OR EQUIPMENT	75
G419 PREPARE RECOMMENDATIONS FOR PROPER PRACTICES OR PROCEDURES FOR HANDLING OR STORING PERISHABLE FOODS	72
G405 PERFORM MEDICAL EVALUATIONS OF BASE VENDING MACHINES OR VENDING MACHINE LOCATIONS	70
G400 MAINTAIN DUPLICATE FOOD HANDLER'S TRAINING CARD FILES	69
F295 EVALUATE DISHWASHING METHODS OR PROCEDURES	69
G402 PERFORM FINGER PLATE CULTURES OF FOOD HANDLERS	68
A7 DEVELOP INSPECTION SCHEDULES	67
G409 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD PROCESSING FACILITIES	65
B71 DIRECT INSPECTIONS OF FOOD SERVICE OR FOOD STORAGE FACILITIES	63
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	60
C152 INITIATE UNSATISFACTORY REPORTS	53
G395 EVALUATE CONTRACT FOOD SERVICE SELF-INSPECTION SYSTEMS	51

TABLE A17

GROUP ID NUMBER AND TITLE: GRP204, MEDICAL EVALUATORS SUBCLUSTER
 GROUP SIZE: 23 PERCENT OF SAMPLE: 2
 AVERAGE GRADE: E-5 AVERAGE TICF: 120 MONTHS
 AVERAGE TAFMS: 152 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	100
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	100
B71 DIRECT INSPECTIONS OF FOOD SERVICE OR FOOD STORAGE FACILITIES	100
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	100
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	96
E253 DRIVE MILITARY MOTOR VEHICLES	96
G422 PREPARE WRITTEN REPORTS ON INSPECTION OF BASE FOOD SERVING FACILITIES	91
G412 PERFORM MEDICAL EVALUATIONS OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	91
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	91
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	87
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	87
C158 PREPARE APR	87
F295 EVALUATE DISHWASHING METHODS OR PROCEDURES	83
D176 CONDUCT OJT	83
A7 DEVELOP INSPECTION SCHEDULES	83
G418 PREPARE RECOMMENDATIONS FOR CONDEMNATION OR REPLACEMENT OF EQUIPMENT OR FACILITIES	83
A4 DETERMINE WORK PRIORITIES	83
G419 PREPARE RECOMMENDATIONS FOR PROPER PRACTICES OR PROCEDURES FOR HANDLING OR STORING PERISHABLE FOODS	78
C132 EVALUATE INSPECTION REPORTS OR PROCEDURES	78
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	78
G409 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD PROCESSING FACILITIES	74
G416 PERFORM TESTS TO INDICATE SANITARY CONDITION OF UTENSILS OR EQUIPMENT	74
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	74

TABLE A18

GROUP ID NUMBER AND TITLE: GRP221, FOOD INSPECTORS
 GROUP SIZE: 8 PERCENT OF SAMPLE: 1
 AVERAGE GRADE: E-4 AVERAGE TICF: 42 MONTHS
 AVERAGE TAFMS: 61 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	100
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	100
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	100
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	100
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	100
A7 DEVELOP INSPECTION SCHEDULES	100
G416 PERFORM TESTS TO INDICATE SANITARY CONDITION OF UTENSILS OR EQUIPMENT	100
E253 DRIVE MILITARY MOTOR VEHICLES	100
F295 EVALUATE DISHWASHING METHODS OR PROCEDURES	100
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	100
F299 INSPECT DAMAGED SUBSISTENCE ITEMS	100
G400 MAINTAIN DUPLICATE FOOD HANDLER'S TRAINING CARD FILES	88
G422 PREPARE WRITTEN REPORTS ON INSPECTION OF BASE FOOD SERVING FACILITIES	88
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	88
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	88
G409 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD PROCESSING FACILITIES	88
G419 PREPARE RECOMMENDATIONS FOR PROPER PRACTICES OR PROCEDURES FOR HANDLING OR STORING PERISHABLE FOODS	88
E265 MAINTAIN MILITARY MOTOR VEHICLES	88
G406 PERFORM MEDICAL EVALUATIONS OF MOBILE FOOD VENDING OPERATIONS	88
G402 PERFORM FINGER PLATE CULTURES OF FOOD HANDLERS	88
G405 PERFORM MEDICAL EVALUATIONS OF BASE VENDING MACHINES OR VENDING MACHINE LOCATIONS	88
E260 MAINTAIN ADMINISTRATIVE FILES	88
A11 DEVELOP WORK METHODS OR PROCEDURES	88
A2 DESIGN OR DEVELOP INFORMATION CHARTS, STATUS BOARDS, GRAPHS, OR SPOT MAPS	88

TABLE A19

GROUP ID NUMBER AND TITLE: GRP144, FACILITY INSPECTORS SUBCLUSTER
 GROUP SIZE: 44 PERCENT OF SAMPLE: 3
 AVERAGE GRADE: E-3 AVERAGE TICF: 38 MONTHS
 AVERAGE TAFMS: 44 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	95
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	93
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	91
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	91
G412 PERFORM MEDICAL EVALUATIONS OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	89
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	89
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	84
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	84
G422 PREPARE WRITTEN REPORTS ON INSPECTION OF BASE FOOD SERVING FACILITIES	80
G400 MAINTAIN DUPLICATE FOOD HANDLER'S TRAINING CARD FILES	80
G405 PERFORM MEDICAL EVALUATIONS OF BASE VENDING MACHINES OR VENDING MACHINE LOCATIONS	75
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	73
G416 PERFORM TESTS TO INDICATE SANITARY CONDITION OF UTENSILS OR EQUIPMENT	73
E253 DRIVE MILITARY MOTOR VEHICLES	70
G419 PREPARE RECOMMENDATIONS FOR PROPER PRACTICES OR PROCEDURES FOR HANDLING OR STORING PERISHABLE FOODS	70
G402 PERFORM FINGER PLATE CULTURES OF FOOD HANDLERS	68
G409 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD PROCESSING FACILITIES	57
F295 EVALUATE DISHWASHING METHODS OR PROCEDURES	57
G392 COLLECT SOFT SERVE ICE CREAM OR YOGART SAMPLES	57
A7 DEVELOP INSPECTION SCHEDULES	52
G395 EVALUATE CONTRACT FOOD SERVICE SELF-INSPECTION SYSTEMS	50
B71 DIRECT INSPECTIONS OF FOOD SERVICE OR FOOD STORAGE FACILITIES	48
G406 PERFORM MEDICAL EVALUATIONS OF MOBILE FOOD VENDING OPERATIONS	48
G404 PERFORM MEDICAL EVALUATIONS OF AIRCRAFT	43

TABLE A20

GROUP ID NUMBER AND TITLE: GRP051, EPIDEMIOLOGICAL SUPPORT PERSONNEL CLUSTER
 GROUP SIZE: 111 PERCENT OF SAMPLE: 9
 AVERAGE GRADE: E-3 AVERAGE TICF: 29 MONTHS
 AVERAGE TAFMS: 34 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
H444 MONITOR INH PATIENT TREATMENT PROGRAMS	92
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	92
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	91
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CASE TREATMENT AND FOLLOW-UP	91
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	91
H450 REPORT CIVILIAN SEXUALLY TRANSMITTED DISEASE CONTACTS TO PUBLIC HEALTH AUTHORITIES	84
H440 LOCATE AND INTERVIEW SEXUALLY TRANSMITTED DISEASE, TUBERCULOSIS, AND COMMUNICABLE DISEASE CONTACTS	82
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	77
H447 NOTIFY GAINING MFT REGARDING PATIENTS ON IHN WHO ARE DEPARTING PCS	77
H426 COMPLETE STATE AND FEDERAL FORMS FOR COMMUNICABLE DISEASES	75
B57 COORDINATE TUBERCULOSIS DETECTION AND CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	72
B59 COORDINATE VENEREAL DISEASE CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	68
E261 MAINTAIN APPOINTMENT LOGS	61
N708 CONDUCT HEARING PROTECTION TRAINING	61
E253 DRIVE MILITARY MOTOR VEHICLES	61
H427 CONDUCT COMMUNICABLE DISEASE CONTROL INTERVIEWS OTHER THAN TUBERCULOSIS OR SEXUALLY TRANSMITTED DISEASES	59
H439 INVESTIGATE COMMUNICABLE DISEASE CASES OTHER THAN TUBERCULOSIS OR SEXUALLY TRANSMITTED DISEASE	59
H441 MAINTAIN BIOSTATISTICS ON COMMUNICABLE DISEASES	57
N742 PERFORM PREGNANT WORKER EVALUATIONS	55
N737 PERFORM FIT TESTING OF HEARING PROTECTION DEVICES FOR PERSONNEL	54
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	50
H449 PREPARE BIOSTATISTICAL REPORTS ON COMMUNICABLE DISEASES	49
B60 COORDINATE WITH BIOENVIRONMENTAL ENGINEERING PERSONNEL	49
E268 PREPARE AF FORMS 190 (OCCUPATIONAL ILLNESS/INJURY REPORT)	49
N718 FIT RESPIRATORY PROTECTIVE DEVICES	48

TABLE A21

GROUP ID NUMBER AND TITLE: GRP261, COMMUNITY HEALTH SUPPORT PERSONNEL
 GROUP SIZE: 8 PERCENT OF SAMPLE: 1
 AVERAGE GRADE: E-3 AVERAGE TICF: 37 MONTHS
 AVERAGE TAFMS: 43 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	100
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	100
H444 MONITOR IHN PATIENT TREATMENT PROGRAMS	100
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	100
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	100
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CARE TREATMENT AND FOLLOW-UP	100
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	100
G422 PREPARE WRITTEN REPORTS ON INSPECTION OF BASE FOOD SERVING FACILITIES	100
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	100
H447 NOTIFY GAINING MFT REGARDING PATIENTS ON IHN WHO ARE DEPARTING PCS	100
H440 LOCATE AND INTERVIEW SEXUALLY TRANSMITTED DISEASE, TUBERCULOSIS, AND COMMUNICABLE DISEASE CONTACTS	100
G419 PREPARE RECOMMENDATIONS FOR PROPER PRACTICES OR PROCEDURES FOR HANDLING OR STORING PERISHABLE FOODS	88
N742 PERFORM PREGNANT WORKER EVALUATIONS	88
E253 DRIVE MILITARY MOTOR VEHICLES	88
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	75
G403 PERFORM MEDICAL EVALUATION OF ON-BASE FOOD STORAGE FACILITIES	75
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	75
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	75
H450 REPORT CIVILIAN SEXUALLY TRANSMITTED DISEASE CONTACTS TO PUBLIC HEALTH AUTHORITIES	75
G412 PERFORM MEDICAL EVALUATIONS OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	75
G407 PERFORM MEDICAL EVALUATIONS OF ON-BASE BARBER AND BEAUTY FACILITIES	75
B89 DIRECT TUBERCULOSIS DETECTION AND CONTROL PROGRAMS	63

TABLE A22

GROUP ID NUMBER AND TITLE: GRP248, SANITATION EVALUATORS
 GROUP SIZE: 18 PERCENT OF SAMPLE: 2
 AVERAGE GRADE: E-3 AVERAGE TICF: 27 MONTHS
 AVERAGE TAFMS: 32 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
G399 ISSUE FOOD HANDLER TRAINING CERTIFICATES	100
G394 CONDUCT SURVEILLANCE CHECKS OF FOOD HANDLERS' HEALTH CERTIFICATES	100
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CASE TREATMENT AND FOLLOW-UP	100
N707 CONDUCT FOOD HANDLING AND PERSONAL HYGIENE TRAINING FOR FOOD SERVICE PERSONNEL	100
H444 MONITOR INH PATIENT TREATMENT PROGRAMS	94
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	94
G412 PERFORM MEDICAL EVALUATIONS OF OTHER ON-BASE PLACES OF PUBLIC ASSEMBLAGE, SUCH AS THEATERS OR BOWLING ALLEYS	94
G434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	94
G414 PERFORM MEDICAL EVALUATIONS ON ON-BASE CHILD CARE CENTERS	94
G407 PERFORM MEDICAL EVALUATION OF ON-BASE BARBER AND BEAUTY FACILITIES	94
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	94
G410 PERFORM MEDICAL EVALUATIONS OF ON-BASE FOOD SERVING AND PREPARATION FACILITIES	89
G405 PERFORM MEDICAL EVALUATIONS OF BASE VENDING MACHINES OR VENDING MACHINE LOCATIONS	89
G417 PREPARE AF FORMS 977 (FACILITY INSPECTION FORM)	83
G400 MAINTAIN DUPLICATE FOOD HANDLER'S TRAINING CARD FILES	83
N708 CONDUCT HEARING PROTECTION TRAINING	78
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	78
E253 DRIVE MILITARY MOTOR VEHICLES	78
G402 PERFORM FINGER PLATE CULTURES OF FOOD HANDLERS	78
G420 PREPARE RECOMMENDATIONS FOR SANITARY PRACTICES OR PROCEDURES	78
N718 FIT RESPIRATORY PROTECTIVE DEVICES	78
H447 NOTIFY GAINING MFT REGARDING PATIENTS ON INH WHO ARE DEPARTING PCS	78
M689 COLLECT MOSQUITOS	72
H450 REPORT CIVILIAN SEXUALLY TRANSMITTED DISEASE CONTACTS TO PUBLIC HEALTH AUTHORITIES	72

TABLE A23

GROUP ID NUMBER AND TITLE: GRP256, COMMUNICABLE DISEASE CONTROL MONITORS
 GROUP SIZE: 30 PERCENT OF SAMPLE: 3
 AVERAGE GRADE: E-4 AVERAGE TICF: 36 MONTHS
 AVERAGE TAFMS: 40 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	100
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	100
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CASE TREATMENT AND FOLLOW-UP	97
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	97
H450 REPORT C. VILIAN SEXUALLY TRANSMITTED DISEASE CONTACTS TO PUBLIC HEALTH AUTHORITIES	97
H444 MONITOR INH PATIENT TREATMENT PROGRAMS	93
H440 LOCATE AND INTERVIEW SEXUALLY TRANSMITTED DISEASE, TUBERCULOSIS, AND COMMUNICABLE DISEASE CONTACTS	90
H426 COMPLETE STATE AND FEDERAL FORMS FOR COMMUNICABLE DISEASES	90
B59 COORDINATE VENEREAL DISEASE CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	87
B57 COORDINATE TUBERCULOSIS DETECTION AND CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	87
H439 INVESTIGATE COMMUNICABLE DISEASE CASES OTHER THAN TUBERCULOSIS OR SEXUALLY TRANSMITTED DISEASE	83
H447 NOTIFY GAINING MFT REGARDING PATIENTS ON INH WHO ARE DEPARTING PCS	77
H427 CONDUCT COMMUNICABLE DISEASE CONTROL INTERVIEWS OTHER THAN TUBERCULOSIS OR SEXUALLY TRANSMITTED DISEASES	73
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	70
E261 MAINTAIN APPOINTMENT LOGS	63
H441 MAINTAIN BIOSTATISTICS ON COMMUNICABLE DISEASES	63
H449 PREPARE BIOSTATISTICAL REPORTS ON COMMUNICABLE DISEASES	60
B89 DIRECT TUBERCULOSIS DETECTION AND CONTROL PROGRAMS	57
E251 COMPLETE SF FORMS 602 (HEALTH RECORD-SYPHILIS RECORD)	57
H443 MONITOR IMMUNIZATION PROGRAMS	53
E250 COMPLETE SF FORMS 513 (MEDICAL RECORD-CONSULTATION SHEET)	47
H448 PREPARE ANNUAL TUBERCULOSIS REPORT	47
E253 DRIVE MILITARY MOTOR VEHICLES	47
H453 TRACT URI AND GE	40
N742 PERFORM PREGNANT WORKER EVALUATIONS	37
E260 MAINTAIN ADMINISTRATIVE FILES	37
N708 CONDUCT HEARING PROTECTION TRAINING	37

TABLE A24

GROUP ID NUMBER AND TITLE: GRP247, ENVIRONMENTAL STATISTICS AND FOLLOWUP PERSONNEL

GROUP SIZE: 30

PERCENT OF SAMPLE: 3

AVERAGE GRADE: E-3

AVERAGE TICF: 23 MONTHS

AVERAGE TAFMS: 27 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
H434 CONDUCT TUBERCULOSIS DETECTION INTERVIEWS	100
H446 MONITOR SEXUALLY TRANSMITTED DISEASE CASE TREATMENT AND FOLLOW-UP	100
H432 CONDUCT SEXUALLY TRANSMITTED DISEASE (STD) CONTROL INTERVIEWS	100
H444 MONITOR INH PATIENT TREATMENT PROGRAMS	97
H442 MAINTAIN INDIVIDUAL TUBERCULOSIS CONTROL PROGRAM RECORDS	97
H450 REPORT CIVILIAN SEXUALLY TRANSMITTED DISEASE CONTACTS TO PUBLIC HEALTH AUTHORITIES	97
E258 INITIATE AF FORMS 2453 (TUBERCULOSIS DETECTION AND CONTROL DATA)	93
H440 LOCATE AND INTERVIEW SEXUALLY TRANSMITTED DISEASE, TUBERCULOSIS, AND COMMUNICABLE DISEASE CONTACTS	90
H447 NOTIFY GAINING MFT REGARDING PATIENTS ON INH WHO ARE DEPARTING PCS	90
N708 CONDUCT HEARING PROTECTION TRAINING	87
H426 COMPLETE STATE AND FEDERAL FORMS FOR COMMUNICABLE DISEASES	87
H441 MAINTAIN BIOSTATISTICS ON COMMUNICABLE DISEASES	83
B57 COORDINATE TUBERCULOSIS DETECTION AND CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	80
B59 COORDINATE VENEREAL DISEASE CONTROL PROGRAMS WITH MEDICAL OR PUBLIC HEALTH PERSONNEL	77
E261 MAINTAIN APPOINTMENT LOGS	73
N713 CONSTRUCT AND MAINTAIN TAB "F" OF INDUSTRIAL CASE FILES	73
N718 FIT RESPIRATORY PROTECTIVE DEVICES	73
H449 PREPARE BIOSTATISTICAL REPORTS ON COMMUNICABLE DISEASES	73
N711 CONDUCT RESPIRATORY PROTECTION TRAINING	73
B60 COORDINATE WITH BIOENVIRONMENTAL ENGINEERING PERSONNEL	73
N737 PERFORM FIT TESTING OF HEARING PROTECTION DEVICES FOR PERSONNEL	70
N742 PERFORM PREGNANT WORKER EVALUATIONS	70
E234 COMPLETE AF FORMS 2767 (OCCUPATIONAL HEALTH TRAINING AND PROTECTIVE EQUIPMENT FIT TESTING)	70
E268 PREPARE AF FORMS 190 (OCCUPATIONAL ILLNESS/INJURY REPORT)	70
H439 INVESTIGATE COMMUNICABLE DISEASE CASES OTHER THAN TUBERCULOSIS OR SEXUALLY TRANSMITTED DISEASE	70

TABLE A25

GROUP ID NUMBER AND TITLE: GRP146, ENVIRONMENTAL MEDICINE CURRENCY TRAINING
PERSONNEL CLUSTER

GROUP SIZE: 18

PERCENT OF SAMPLE: 1

AVERAGE GRADE: E-4

AVERAGE TICF: 33 MONTHS

AVERAGE TAFMS: 39 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
N718 FIT RESPIRATORY PROTECTIVE DEVICES	100
N708 CONDUCT HEARING PROTECTION TRAINING	100
N711 CONDUCT RESPIRATORY PROTECTION TRAINING	100
N713 CONSTRUCT AND MAINTAIN TAB "F" OF INDUSTRIAL CASE FILES	94
E234 COMPLETE AF FORMS 2767 (OCCUPATIONAL HEALTH TRAINING AND PROTECT.VE EQUIPMENT FIT TESTING)	94
N750 REVIEW MEDICAL RECORDS FOR OCCUPATIONAL DISEASES	94
N730 MONITOR RESPIRATORY PROTECTION PROGRAM	89
N710 CONDUCT OCCUPATIONAL HEALTH AND SAFETY TRAINING	83
N743 PERFORM SELECTION OF RESPIRATORY PROTECTIVE DEVICES FOR PERSONNEL	83
A697 ADVISE SHOP SUPERVISORS IN ORDERING RESPIRATORY PROTECTION DEVICES	83
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	83
N729 MONITOR OCCUPATIONAL HEALTH EXAMINATION PROGRAMS	78
N731 MONITOR THE PROPER USE OF PERSONAL PROTECTIVE DEVICES	78
B60 COORDINATE WITH BIOENVIRONMENTAL ENGINEERING PERSONNEL	78
N737 PERFORM FIT TESTING OF HEARING PROTECTION DEVICES FOR PERSONNEL	72
E257 INITIATE AF FORMS 2766 (CLINICAL OCCUPATIONAL HEALTH EXAMINATION REQUIREMENTS)	72
B88 DIRECT RESPIRATORY PROTECTION PROGRAMS	72
E281 REVIEW OCCUPATIONAL HEALTH COMPUTER PRODUCTS, SUCH AS OCCUPATIONAL CODES	67
N742 PERFORM PREGNANT WORKER EVALUATIONS	67
E253 DRIVE MILITARY MOTOR VEHICLES	67
N748 RESEARCH TEXTBOOKS, MANUALS, OR OTHER PUBLICATIONS TO IDENTIFY CHARACTERISTICS OF CONTAMINANTS	67
N752 REVIEW OCCUPATIONAL HEALTH EXAMINATION RESULTS	67
E252 DISTRIBUTE CURRENT SHOP CODE LISTS TO CBPO OR CPO	67
N706 COMPLETE SF FORMS 513 (PATIENT CONSULTATION REPORT)	67
A28 PREPARE BRIEFINGS	67
A4 DETERMINE WORK PRIORITIES	67
E268 PREPARE AF FORMS 190 (OCCUPATIONAL ILLNESS/INJURY REPORT)	67
D179 CONDUCT PROPER USE OF DESIGNATED PERSONAL PROTECTION EQUIPMENT TRAINING	61

TABLE A26

GROUP ID NUMBER AND TITLE: GRP165, SUBSISTENCE INSPECTORS CLUSTER
 GROUP SIZE: 224 PERCENT OF SAMPLE: 17
 AVERAGE GRADE: E-4 AVERAGE TICF: 45 MONTHS
 AVERAGE TAFMS: 54 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
F375 PREPARE DD FORMS 1222 (REQUEST FOR AND RESULTS OF TEST)	95
F299 INSPECT DAMAGED SUBSISTENCE ITEMS	95
F369 PERFORM ORGANOLEPTIC EXAMINATIONS	94
F315 PERFORM CLASS 4 INSPECTIONS OF DAIRY PRODUCTS	94
F388 SAFEGUARD FOOD INSPECTION STAMPS	93
F304 INSPECT SUBSISTENCE ITEMS TO BE OFFERED FOR REDUCED PRICE SALES IN COMMISSARIES	93
F316 PERFORM CLASS 4 INSPECTIONS OF EGGS	92
F354 PERFORM CLASS 8 INSPECTION OF MISCELLANEOUS SUBSISTENCE PRODUCTS	92
F303 INSPECT SANITARY CONDITIONS OF CONTAINERS OR VEHICLES USED FOR SHIPMENT OF SUBSISTENCE ITEMS	92
F319 PERFORM CLASS 4 INSPECTIONS OF MEAT	92
F364 PERFORM CLOSED CAN INSPECTIONS	92
F389 TEST WEIGHT SUBSISTENCE ITEMS	91
F320 PERFORM CLASS 4 INSPECTIONS OF MISCELLANEOUS SUBSISTENCE PRODUCTS	91
F318 PERFORM CLASS 4 INSPECTIONS OF FRUITS OR VEGETABLES	90
F360 PERFORM CLASS 9 INSPECTIONS OF MISCELLANEOUS SUBSISTENCE PRODUCTS	89
F352 PERFORM CLASS 8 INSPECTIONS OF FRUITS OR VEGETABLES	89
F289 CONDUCT HOBART FAT ANALYSIS ON CLASS 4, 5, 7, 8, AND 9 GROUND MEAT TIMES	88
F302 INSPECT PACKAGING OR PACKING	88
F368 PERFORM OPEN CAN INSPECTIONS	88
F349 PERFORM CLASS 8 INSPECTIONS OF DAIRY PRODUCTS	88
F353 PERFORM CLASS 8 INSPECTIONS OF MEAT	87
F371 PREPARE AF FORMS 1553 (NET WEIGHT EXAMINATION RECORD)	87
F294 DETERMINE EXPECTED SHELF LIFE OR CONDITION OF GOODS	87
F377 PREPARE DD FORMS 1237 (REPORT OF INSPECTION OF SHELL EGGS)	86
F310 MAINTAIN VENDOR QUALITY HISTORY RECORDS	86
F305 MAINTAIN AF FORMS 1148 (DAILY VETERINARY FOOD INSPECTION RECORD-CLASSES 4, 5, AND 8)	85
F322 PERFORM CLASS 4 INSPECTIONS OF POULTRY	85
F327 PERFORM CLASS 5 INSPECTIONS OF FRUITS OR VEGETABLES	85
F309 MAINTAIN TARE WEIGHT INFORMATION	84

TABLE A27

GROUP ID NUMBER AND TITLE: GRP134, ANIMAL CARE AND LABORATORY PERSONNEL CLUSTER

GROUP SIZE: 24

PERCENT OF SAMPLE: 2

AVERAGE GRADE: E-5

AVERAGE TICF: 94 MONTHS

AVERAGE TAFMS: 113 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
I546 RESTRAIN ANIMALS BY PHYSICAL METHODS	96
I557 WEIGH ANIMALS	96
J608 PERFORM HEALTH CHECKS ON LABORATORY ANIMALS	96
I544 RESTRAIN ANIMALS BY CHEMICAL METHODS	96
I473 COLLECT BLOOD SAMPLES	96
I469 CALCULATE DRUG DOSAGES	96
I482 EUTHANATIZE ANIMALS	96
J597 MAINTAIN INDIVIDUAL LABORATORY ANIMAL RECORDS	92
J559 APPLY IDENTIFICATION MARKINGS TO LABORATORY ANIMALS	92
J590 FEED OR WATER LABORATORY ANIMALS	92
I455 ADMINISTER ANESTHETICS BY INTRAMUSCULAR METHOD	92
I456 ADMINISTER ANESTHETICS BY INTRAVENOUS METHOD	92
J616 PREPARE DAILY OR WEEKLY ANIMAL INVENTORY FORMS	92
I467 ADMINISTER ORAL MEDICATIONS	92
J615 PREPARE DAILY HEALTH CHECK FORMS ON LABORATORY ANIMALS	92
I462 ADMINISTER INJECTIONS OR IMMUNIZATIONS BY INTRAMUSCULAR METHODS	92
J611 PERFORM TB TESTING OF ANIMALS	92
I474 COLLECT FECAL SAMPLES FOR LABORATORY ANALYSIS	92
I465 ADMINISTER INJECTIONS OR IMMUNIZATIONS BY SUBCUTANEOUS METHOD	92
I545 RESTRAIN ANIMALS BY MECHANICAL METHODS	88
J595 LOAD OR OFF-LOAD RESEARCH ANIMALS	88
I464 ADMINISTER INJECTIONS OR IMMUNIZATIONS BY INTRAVENOUS METHOD	88
I468 BANDAGE SURGICAL WOUNDS	88
I483 EXAMINE ANIMALS FOR EXTERNAL PARASITES	88
J558 ACCEPT SHIPMENTS OF LABORATORY ANIMALS	83
I470 CARE FOR ANIMALS IN POST-OPERATIVE STATUS, SUCH AS MONITOR RECOVERY FROM ANESTHESIA	83
J612 PLACE CATHETERS INTRAVENOUSLY	83
I476 COLLECT SWAB SAMPLES OF LABORATORY ANIMALS	83
J599 MAINTAIN RECORDS OF IDENTIFICATION SYSTEMS FOR LABORATORY ANIMALS	79
J604 MONITOR ANIMAL USE AND CARE CONDITIONS	79
I509 PERFORM ENDOTRACHEAL INTUBATIONS	79
J562 CHANGE BEDDING OF ANIMAL CAGES	79
I471 CLEAN OPERATING ROOMS, SURGICAL SUITES, OR NECROPSY ROOMS	79
I491 MAINTAIN ASEPTIC CONDITIONS IN TREATMENT OR SURGERY ROOMS	79
I466 ADMINISTER INTRAVENOUS DRIPS TO ANIMALS	79

TABLE A28

GROUP ID NUMBER AND TITLE: GRP254, LABORATORY ANIMAL RESEARCH SUPPORT PERSONNEL

GROUP SIZE: 5

PERCENT OF SAMPLE: LESS THAN 1%

AVERAGE GRADE: E-6

AVERAGE TICF: 147 MONTHS

AVERAGE TAFMS: 166 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
J604 MONITOR ANIMAL USE AND CARE CONDITIONS	100
B112 SUPERVISE ENVIRONMENTAL MEDICINE SPECIALIST (AFSC 90850)	100
B62 COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED MATTERS	100
J599 MAINTAIN RECORDS OF IDENTIFICATION SYSTEMS FOR LABORATORY ANIMALS	100
B116 SUPERVISE PERSONNEL WITH AFS OTHER THAN 907X0 OR 908X0	100
B77 DIRECT MAINTENANCE OF FACILITIES OR WORK AREAS	100
J590 FEED OR WATER LABORATORY ANIMALS	100
A4 DETERMINE WORK PRIORITIES	100
C137 EVALUATE MAINTENANCE OR USE OF WORKSPACE, EQUIPMENT, OR SUPPLIES	100
B97 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	100
J560 ASSIGN ANIMALS TO HOLDING FACILITIES OR RESEARCH INVESTIGATORS	100
A52 WRITE JUSTIFICATIONS FOR PROCUREMENT OF EQUIPMENT, SUPPLIES, OR WORK AREAS	100
J572 CONFER WITH COMMERCIAL DRUG OR EQUIPMENT SALESMEN	100
I546 RESTRAIN ANIMALS BY PHYSICAL METHODS	100
A17 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	100
A16 ESTABLISH WORK SCHEDULES	100
B76 DIRECT MAINTENANCE OF ADMINISTRATIVE FILES	100
J544 EVALUATE CONDITIONS FOR TRANSPORTATION OF RESEARCH ANIMALS	100
J595 LOAD OR OFF-LOAD RESEARCH ANIMALS	100
J608 PERFORM HEALTH CHECKS ON LABORATORY ANIMALS	100
I482 EUTHANATIZE ANIMALS	100
B54 ASSIGN PERSONNEL TO DUTY POSITIONS	100
I469 CALCULATE DRUG DOSAGES	100
J611 PERFORM TB TESTING OF ANIMALS	100
A40 SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	100
A12 DRAFT, DEVELOP, OR REVISE FORMS	100
B93 IMPLEMENT SAFETY PROGRAMS	100
I490 INCINERATE ANIMAL REMAINS OR CONTAMINATED WASTES	100
E260 MAINTAIN ADMINISTRATIVE FILES	80
E259 INVENTORY TOOLS, EQUIPMENT, OR SUPPLIES	80

TABLE A29

GROUP ID NUMBER AND TITLE: GRP201, LABORATORY ANIMAL MEDICAL CARE PERSONNEL
 GROUP SIZE: 19 PERCENT OF SAMPLE: 1
 AVERAGE GRADE: E-5 AVERAGE TICF: 80 MONTHS
 AVERAGE TAFMS: 99 MONTHS

THE FOLLOWING ARE IN DESCENDING ORDER BY PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
I557 WEIGH ANIMALS	100
J559 APPLY IDENTIFICATION MARKINGS TO LABORATORY ANIMALS	100
I473 COLLECT BLOOD SAMPLES	100
I546 RESTRAIN ANIMALS BY PHYSICAL METHODS	95
J608 PERFORM HEALTH CHECKS ON LABORATORY ANIMALS	95
I544 RESTRAIN ANIMALS BY CHEMICAL METHODS	95
J597 MAINTAIN INDIVIDUAL LABORATORY ANIMAL RECORDS	95
I455 ADMINISTER ANESTHETICS BY INTRAMUSCULAR METHODS	95
I469 CALCULATE DRUG DOSAGES	95
I456 ADMINISTER ANESTHETICS BY INTRAVENOUS METHOD	95
I467 ADMINISTER ORAL MEDICATIONS	95
J615 PREPARE DAILY HEALTH CHECK FORMS ON LABORATORY ANIMALS	95
J616 PREPARE DAILY OR WEEKLY ANIMAL INVENTORY FORMS	95
I462 ADMINISTER INJECTIONS OR IMMUNIZATIONS BY INTRAMUSCULAR METHOD	95
I482 EUTHANATIZE ANIMALS	95
I474 COLLECT FECAL SAMPLES FOR LABORATORY ANALYSIS	95
I465 ADMINISTER INJECTIONS OR IMMUNIZATIONS BY SUBCUTANEOUS METHOD	95
I545 RESTRAIN ANIMALS BY MECHANICAL METHODS	89
J590 FEED OR WATER LABORATORY ANIMALS	89
J611 PERFORM TB TESTING OF ANIMALS	89
I464 ADMINISTER INJECTIONS OR IMMUNIZATIONS BY INTRAVENOUS METHOD	89
I468 BANDAGE SURGICAL WOUNDS	89
I509 PERFORM ENDOTRACHEAL INTUBATIONS	89
I483 EXAMINE ANIMALS FOR EXTERNAL PARASITES	89
I476 COLLECT SWAB SAMPLES OF LABORATORY ANIMALS	84
J558 ACCEPT SHIPMENTS OF LABORATORY ANIMALS	84
J595 LOAD OR OFF-LOAD RESEARCH ANIMALS	84
J612 PLACE CATHETERS INTRAVENOUSLY	84
I470 CARE FOR ANIMALS IN POST-OPERATIVE STATUS, SUCH AS MONITOR RECOVERY FROM ANESTHESIA	84
I471 CLEAN OPERATING ROOMS, SURGICAL SUITES, OR NECROPSY ROOMS	84
I466 ADMINISTER INTRAVENOUS DRIPS TO ANIMALS	84
I475 COLLECT SKIN SCRAPING SAMPLES FOR LABORATORY ANALYSIS	84
I491 MAINTAIN ASEPTIC CONDITIONS IN TREATMENT OR SURGERY ROOMS	79

END

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